

AMERICAN RAILROAD JOURNAI AND ADVOCATE INTERNAL IMPROVEMENTS

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D. K. MINOR, EDITOR.]

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AMERICAN RAILROAD JOURNAL, &c.

NEW-YORK, MAY 25, 1833.

GREAT WESTERN RAILROAD.—We would ask the attention of those of our readers who are at all interested in the prosperity of the city and state of New-York, to the communication of "G. Jr." in this number of the Journal, upon the subject of the Great Western Railway. It is a work of great importance to New-York, -one in which every New-Yorker should feel deeply interested, and we therefore cheerfully join with our correspondent in saying, " GO ON."

SOUTH CAROLINA RAILROAD REPORT .- The last Annual Report of ALEXANDER BLACK, Esq. which will be found in this number of the tion or conveyance of persons, merchandise, and produce, over the railroad and railroads, and convels to be by them. tive to the South Carolina Railroad. We have of late heard many inquiries relative to the condition and prospects of this road, and are therefore gratified to be able to give an answer so favorable as that which may be gathered from this Report. In order to give a fair view of the advantages and privileges of this company, we also give the 1st and 11th sections of the act of incorporation, from which it will be at once seen that their privileges are very ex-

lantic, we cannot but believe that the stock will become exceedingly valuable.

Section 1. Be it enacted by the Honorable the Senate and House of Representatives, now met and sitting in General Assembly, and by the authority of the same, That the Company provided for in the aforesaid act, and hereinafter more especially incorporated and author-ized, shall, and may direct and confine their first efforts and enterprise to the formation and completion of the rail communication be-tween Charleston and the Savannah river, at or near Hamburg, and other points or places on the said river, by branch or branches of the said railroad, in the manner hereinafter mentioned; and when such communication shall be completed, or before, if the said company shall find it practicable and advantageous, they shall have power and authority to lay off and construct branches thereof, to Columbia and Camden, or to the most convenient points at or near these towns, or otherwise to construct railroad or railroads between these two towns and Charleston; and the right to make, keep up, and employ such railroads, shall be vested in the company herein and hereby incorpora-ted exclusively; and for the term of time here-inafter mentioned, no other communication between Charleston and Savannah river, at or near Hamburg, or the waters of the Savan-nah river, or the towns of Columbia and Camden, or to any point on the rivers at or near the same, by other railroads, or newly constructed canals, shall be constructed by or under the authority of this state.

Sec. 11. And be it further enacted by the authority aforesaid, That the said South Carolina Canal and Railroad Company shall, at all times, have the exclusive right of transportaand canals, to be by them constructed, while they see fit to exercise the exclusive right: Provided, That the charge of transportation or conveyance shall not exceed thirty-five cents per hundred pounds on heavy articles, and ten cents per cubic foot on articles of measurement, for every one hundred miles, and five cents per mile for every passenger: *Provided always*, That the said Company may, when they see fit, rent or farm out all or any part of their said exclusive right of transportation or conveyance of persons, on the railroad or railroads, with their privileges, to any individual or individuals, tensive, and secured for a long period.

When we reflect for a moment upon the extent of its privileges, the enterprise of those engaged in its construction, and the wide extent of country for which it is destined to be from the Company the right of transportation of persons or property, or the persons so taking from the Company the right of transportation. come the medium of intercourse with the At- or conveyance, shall, so far as they act in the

same, be regarded as common carriers. it shall be lawful for the said Company to use or employ any sections of their intended railroad, subject to the rates before mentioned, before the whole shall be completed, and in any part thereof, which may afford public accom-modation for the conveyance of persons, mer-chandise, or produce; and also to lay off and construct, and put in operation and use, any branch or branches of the said railroad, so as to communicate with the waters of the Savannah river, or navigable waters of the Edisto or its branches, subject to the aforesaid rates of trans-portation. And the said Company shall have power to take, at the store-houses they may establish on or annexed to their railroad, all goods, wares, merchandises and produce intended for transportation or conveyance, pre-scribe the rules of priority, and charge such just and reasonable terms and compensation for storage and labor, as they may by rules estab-lish, (which they shall cause to be published,) or may be fixed by agreement with the owners; which compensation shall and may be distinct from the aforesaid rates of transportation.

THE ERIE CANAL.—We are gratified (says the Alany Argus of Wednesday) to learn that the breaches in the canals have been all repaired, and that the entire line of the Erie canal is now navigable. The packets arrive at and depart regularly from Schenecady. Much credit is due to the superintendants of repairs, for their activity in preventing and promptitude in repairing injuries by the late rain. Under their supervision, the amount of damage to the canals, compared with what might have been anticipated, is very trivial.

There are 1681 Canal Boats that ply on the Eric 300 of these are said to belong to Cayuga Lake alone.—[Alb. Adv.]

HOMER AND STEAM .-- At the ninth anniversary of the London Mechanics' Institution, Dr. Birkbeck, in awarding a prize of £20 for the best essay on steam, obscrved, that the author had discovered several notices of the power of steam by the ancients, which had escaped preceding writers. had also detected, in the eighth book of the Odyssey, a probable allusion to steam navigation:

"So shalt thou instant reach the realms assigned, In wondrous ships, self-moved, instinct with mind on No helm secures their course, no pilot guides; Like man intelligent they plough the tides; Conscious of every coast and every bay, That lies beneath the sun's all-seeing ray. Though clouds and darkness veil the encumbered sky, Fearless through darkness and through clouds they fly, High tempests rage, high rolls the swelling main,—
The sea may roll, the tempests rage in vain."

the American Railroad Journal.]

Since the first agitation of the question of a great Western Railroad, from the city of New-York, through our southern counties, to Lake Erie, there has been at times much excitement expressed by the community upon this important subject. A subject we will venture to declare of more vital importance, not only to our city, but to our state, has not, since the first projection of that living artery, the Erie Canal, been held before the public consideration. But, unfortunately for us, within the last year, the public mind has been so much distracted by general, political, and, at times, opposing interests, that the subject for the present appears to be at a pause.

At the Kaatskill, upon the Hudson river, a ridge of mountainous district commences, and extends in greater or less elevation, with a broad sweep through Madison county, and then southerly again, across the whole state. The only break worthy of importance along its whole extent is the gorge of the Beaver Creek and Cattatune, showing, from Ithaca, at the head of Cayuga Lake, in Tompkins county, to Owego, on the head waters of the Susquehannah riv. er, the present route of the Ithaca and Owego Railroad: so that you will at once observe, that from the westerly portions of Green, Ulster, and Sullivan, and so through all the south ern and more western tier of counties, we are, in a commercial point of view, entirely deprived of any communication, either by canal, good road, or navigable water, with the grand focus of the wealth of the State-our city.

These counties, especially the more western, are in richness, depth, and fertility of soil, not surpassed by any, either in the country or state; and some of them possess immense resources in quarries of an excellent quality of white and grey granite, limestone, and gypsum.

Every moment that we procrastinate is an age of interest against us. Baltimore, that city whose enterprise and public spirit is so justly celebrated, is now, this very moment, drawing increased resources from out the very bosom of some of our western and richest counties in the state!

The Susquehannah, whose head waters branching out in navigable and many courses, look upon and embrace our frontier, is every season whirling down its rapid tide the rich produce of not only Alleghany, Tioga, Steu-ben, Broome, and Delaware, but since the canal from Seneca Lake to Newtown, is extending its trade in Ontario, Yates, Seneca, and Tompkins; the three latter counties, especially, considered the garden of our State. And now that the Ithaca and Owego railroad will have overcome the former heavy and expensive carrying pass, it will, like a funnel, draw wealth and business down the Susquehannah, even the very produce of Erie and Genesee!

This is not imagination: I call upon every person conversant in our western trade to agree with me; it is not that we have looked upon this fair and productive soil, and that the pitiful jealousy of seeing its rich produce borne onward to Baltimore, Philadelphia, or any other place, has caused me to regret that its richness has gone that way, nor is it either that the trade will continue to go to any of these places; but it is that I would rather that it

greater ease, in less distance, and with less expense, than others can draw it to them, (and if you will look at the map of our state, or visit the remarked sections of country, you will, I am convinced, say with me that we can,)-let us

up while we may, and about it.

Taking Owego, (which, if our contemplated road go into operation, will be the Utica of the route,) as the general and most proper one point of calculation, and that too at which the computed distance, reckoning from Baltimore and New-York city, would meet, we have, by following either of our proposed courses, and the bed of the Susquehannah, a balance of 50 or 60 miles in our favor.

Some persons I have heard who consider Philadelphia as the great rival of New-York city in the benefits resulting from the improvements in the west. For my own part, I know not in what, nor about where, this rivalry will be, for if you will observe the face of the remarked country, where their feasible points of communication come out, they are at just such distances from any one point of our own, that any information from thence will rather bene-

fit than injure our enterprise.

Who, conversant with the topography of both states, and acquainted with such matters, would advise, for the benefit and interest of our neighbor, a line of Railway from Philadelphia to Owego? I would, were I assured of our present inert, and, shall I say, culpable procrastination of our western railway for ten years to come, recommend a route of way along the Hudson and canal, and so join the Ithaca road through the Cattatunc gorge: I repeat, were we to procrastinate ten years longer. Let us look into the advantages of the contemplated route: We will take the one running through the north-eastern corner of Pennsylvania, and connecting itself with the Paterson road. All proposed routes that I have heard of yet, meet in Owego. Let us begin at the south, Here we would have the Paterson trade; that the iron, and Goshen, and Neversink trade, a great share of the lumber and ore trade of the Jerseys new mines of wealth would be opened, and speculations would be profitable in the soil and produce of Sullivan, Delaware, Broome, and so on, along the whole line far west. Property would be brought out, and cultivation where is a wilderness

A railroad company is chartered to run through Broome and Oneida, another from Utica to Watertown, in Jefferson county, (lateral arms these of powerful strength and extent commanding a rich valley country, and much cultivated space,) the Binghampton lumber trade, the lumber, flour, grain, and plaster, de-manded from the entire vicinity of Cayuga and Seneca, (and in time much farther,) by the Ith-aca and Owego Railroad. Other railways will be made, but thus far, and without other aid, will suffice to cut off the Baltimore trade.*

When we arrive here we can branch off with profitable advantage far into Pennsylvania, some way down the Genesee, and so continue our direct line on to Portland, upon the shores of Lake Erie.

The whole route to Owego completed, the merchant at New-York city would get his produce to market from Rochester, by the way of the Ithaca road, in from 2 to 21 and 3 days; later in winter, earlier in the spring, and at a cheaper rate than now.

If we look around this section of coun try, we will find chartered railways in every direction, waiting but for our great road to inter-

itiful jealousy of seeing its rich produce borne it it it jealousy of seeing its rich produce borne inward to Baltimore, Philadelphia, or any other dace, has caused me to regret that its richiess has gone that way, nor is it either that it it it it is that I would rather that it hould come here.

* When I was in Baltimore last November, I took considerable pains in inquiring into the Susquehannah trade of that city—found large and extensive store-houses rising up, the growth of its budding richness, and not a single individual whom I could hear of had regretted his individual whom I could

Some Remarks respecting our Western and business, of trade; and if we can, by a good sect every corner of these counties. The Ith-Pennsylvanian Counties, and the Means of and profitable investment, draw resources to aca Railroad, continued through Ovid to Ge-Communication with them. By G. Jr. [For our own house—if we can do this, too, with neva, Geneva to Rochester, and so on, by two other routes to Buffalo. In fact, we cannot now (neither could we of the Eric Canal,) compute the number, nor hardly where thes but vigorous finebriæ would extend to.

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I have not entered into any particular calculations of the amount of the present, or probable trade; my intention is a communication to the public of such considerations as have come within my own observation. Such mat-ters as those other I conceive to be the peculiar Such matprovince and privilege of that gentleman who has probably bestowed more attention upon this subject, and is perhaps possessed of more general practical information (I will not yield to him in an interest in) respecting the route than any other individual—I mean Mr. Engineer De Witt Clinton.

As far as an interest in its construction along its proposed route may be satisfactory to those engaged in its welfare, I am assured, partly by observation, and in particular by the committee appointed from Tompkins county, (those two intelligent gentlemen, Judge Geer, and Mr. Bloodgood, the President of the Ithaca and Owego Railroad,) that along its whole route from Owego to New-York city, the inhabitants were rejoiced at its proposition. Mr. B., with were rejoiced at its proposition. Mr. B., with a laudable spirit and generosity, travelled in the fall of 1831 through every principal town along its proposed route, appointing meetings, and gaining expressions of the inhabitants' feelings towards the proposed road, as we all know it was successfully chartered the following session of the Legislature.

From a want of decision in the exact route, from disputing whether it shall commence here or commence there, and from a very inert, though, strictly speaking, a just delaying, wait-ing for Government to commence, it has remained in pretty much the same state up to the present moment. The whole moment of this great national Appian way has with a great burthen rested upon, been borne up, and defended, by a few public-spirited men, the President and Directors of the Western Railway, and one or two more pub-lic-spirited individuals. Every one seems to be in favor of it, but no one will act.
This should not be so. Why should New-York wait for Government to help her? Away with Government patronage; it is very good but let others beg for it who need it more than We have always got along without it, we do. and still can. I aim, then, that we go to work on "our own hook." Call in your instalments upon your shares, give Mr. Clinton his instruments—not next year, but now—and set him to work. I know its difficulties, but he shall be cheered on. I have pioneered in some places he will have to go by; and, Mr. Editor, I want: you to join with me in saying—Go on—go on!
G. Jr.

April, 1833.

Report of ALEXANDER BLACK, Commissioner, to the Stockholders of the South Carolina Ca-nal and Railroad Company. To ELIAS HORRY, Esq. President:

Sir,—Having in my communications to the Directors, at their stated monthly meetings, furnished them with all the facts in relation to the road, requiring their consideration and direction, I shall, at present, omit every thing but what is necessary to enable the Stockholders to form an opinion as to the future prospects of the enterprise, appending data which will enable every one to judge for him-self. My recent visit of examination on the western division of the line has enabled me to arrive with greater accuracy at the results stated in the summary. The execution of the work throughout this division of the line is of a very substantial and superior character, espe-cially through the valleys of Horse and Wise creeks, where extensive sections of the trussel work have been substituted for the piling con-struction. In some cases the elevation of the

ndered this mode of construction indispensable, and in other cases, where the soil consists of soft mud, ten or twenty feet below the natural surface, its adoption was judicious, as the most effectual mode of acquiring solidity of foundation, and stability of structure. But there are portions of the work where a more economical mode of construction than that adopted would have answered the purpose, and imported better with the fiscal means of the Company. To the above causes may be as cribed in part the unexpected excess of expen-diture over the estimated cost, on this division of the road, of which the Board were not duly informed, and consequently had not provided Though this excess may cause a temporary inconvenience, and has disappointed our expectations, yet it is a matter of regret that the means of the Company did not permit the introduction of this mode of construction in many places through swamps, difficult of access, either for repair or renewal, where the biles are used. There will be required to com-lete the work on this division of the line, \$20,000, including \$7,000 due the contractors nd for back wages to the hands, and also \$2,-500 for the stationary engine-house: this amount however, does not include the construction of a depository, work-shop, &c. at Hamburg, the cost of which will be decided by the style of finish and size which the Board may consider

A statement showing the actual cost of eve ry department of the work, and of each branch of service, is now preparing. The classification of the accounts, by separating each item from the general account, and carrying it to its appropriate head, is nearly completed: without this statement it will be impossible to explain in a satisfactory manner the apparent discrepancy between the amount expended and the estimated cost of the road. Considerable sums have been judiciously invested, and other amounts necessarily expended, on objects not taken into consideration in forming the original estimate, nor chargeable to the cost of the road or the machinery used on it. I shall advert to a few cases, out of many, to sustain this remark.

There is invested in lands and improvements. \$15,588 25, and in negroes \$6,146 00. Felling trees to clear the track two hundred feet, in order to preserve the road against the dan-ger it would have been liable to from the trees falling across it, and to shield it from the pernicious influence of their shade, averaging about \$60 per mile, amounted to \$7,200. It was nd experience that ditching was essen-

tial to solidity of foundation, although, at first, it was supposed to be unnecessary. This with lateral drains have constituted a considerable item of expense. The stock of tools and machinery, with the materials for future use, now on hand, may be estimated at \$10,000, add to which preliminary expenses, office rent, stationary, agencies, camp equipage, and survey-ing instruments. The enterprise created a demand for labor far beyond the ability of the country to supply, and caused that increase in price which scarcity invariably produces. The only alternative left was to permit the work to languish, or to urge its completion at the mar-ket price of labor; the latter course was adoptted as the most conducive to the interests of the Stockholders. During the last year the company and several of the contractors have been compelled to pay 50 to 75 per cent. more for labor than the price at which it was valued

The liberality exhibited by our State Legis. lature in granting the prayer of the Company's petition at their last session merits the warmest thanks of the stockholders, and evinces a spirit of liberality and a disposition to foster our infant enterprise. The citizens of Barn-well, who have ever evinced a lively interest in the prosperity of our enterprise, and to whose friendly co-operation the company are indebted for many valuable facilities in the progress of their operations, are now actually engaged in ceed 16,000.

house and the railroad, more direct, and in all respects better than that heretofore used ere are three stations on this line, between which a spirited though friendly competition exists, to attract the trade and intercourse of the populous neighborhood of the village, and products of the fertile lands in the Edisto Fork. This competition must necessarily result in a manner favorable to the convenience of the public and the interest of the Company.

It is pleasing to reflect, and must ever be a subject of sincere thankfulness, that during the execution of our work, no accident has occurred involving either the loss of life or limbs of any of the workmen employed in the con-struction of the road, though their number has sometimes exceeded 2000, and has averaged 1500 the whole time; and also that during the last 12 months, though the trips performed have been more numerous and the number* of passengers greater than at any former period, no personal injury has been sustained by a single individual.

Our sole reliance for the conveyance of pas sengers and freight during the last four months has been on two engines of the smallest class, viz. the "Westpoint" and the "Phœnix," the "South Carolina" being under repairs the greater part of this time, and the "Charleston" having but recently arrived, contributed nothing to the increase of our cash receipts. Whateve may have been done by the "South Carolina" Whatever in the above period while in working order, is more than balanced by transportation of workmen, with iron and other materials, by the en-gines, to advance the work, which, of course,

s not noticed in the cash receipts.

The performance of the West-Point during the 120 days has been as follows : 60 trips to Branchville, each 62 miles, is 3720

52 trips to Midway, each 72 miles, is

Aggregate, - 7464 (The West-Point lost 8 days occupied in reairs.)

The performance of the Phœnix during the 120 days has been as follows:

60 trips to Branchville, each 62 miles mounting in all to 58 trips to Midway, each 72 miles, 4176, and 2 double trips, each 144—288,

The Phœnix was employed every day du-

ring the 120.)
The total number of miles performed by the West-Point and Phoenix is 15,648, in 120 days. The number of passengers that arrived and departed during the above period, (exclusive of attendants, officers of the company, clergy, contractor, and workmen, who had, during the progress of the work, passed free,) is 4109, or on an average 34 per diem. Cash receipts for freight and passage money, \$11,526 78. By a reference to the detailed statement marked (R) reference to the detailed statement marked (B.) and hereunto annexed, it will be observed that there has been an uniform increase in the passage and freight money. On referring to previous cash receipts, I find the amount receive the three first months of the present year to be greater than the amount received during the six last months of the past year. The opera tions were chiefly confined to the transmis of passengers, staple production of the country light merchandize, and materials to advance the completion of the work. Horses, cattle vehicles for travelling, staves, shingles, and other commodities of less profitable transportation, were necessarily declined.

In order that the Board may have an oppor tunity of estimating the comparative impor tance (as regards revenue and public inter-course) of the different stations or stopping places on the line, I have annexed returns for January and April, which will exhibit all the essential particulars in detail. My information

rade of road above the surface of the country opening a communication between the court-in relation to the performance of the locomo-United States is not sufficiently minute to es-timate the value of their performance, when compared with that of the "Phœnix;" but it is extremely questionable whether the same distance, divided into daily trips, has been accomplished without a single day's interruption by any other engine in the United States. Much credit is due to her engineer, Mr. Henry Ra-worth. It is known to the Board, but not to the public generally, that the engine now called the Phoenix was formerly the "Best Friend." It was built according to the plan, and under the personal direction of our talented and en-terprising fellow-citizen, E. L. Miller, Esq. Its peformance was tested on the 9th of December, 1830, on which occasion it exhibited a power much beyond that stipulated for in the contract; it was, therefore, accepted, and per-formed with entire success till the next summer, when the negro who acted as fireman, being incommoded by the unpleasant noise of the steam escaping through the safety valve, ventured on the expedient of confining it, by pressing the weight of his body on the lever-gage of the safety valve, which experiment resulted in the explosion of the boiler. At the time this engine was engaged, Mr. Miller led the van, engine was engaged, Mr. Miller led the van, among the advocates of steam over horse or other power for railroads. Public opinion was at that time much divided on the subject: the Baltimore and Ohio Company leaned in favor of horse power; nothing daunted by the weight of their authority, Mr. Miller persevered, and with an unyielding fixedness of purpose, proposed to construct an engine on his own personal responsibility equal to the best then used in England; he succeeded, and to him belongs the honor of planning and constructing the first locomotive ever worked in the United

Many of the Stockholders have expressed a strong desire that the Board should make trial of an English engine; the subject is properly referable to the chief engineer, and I should not advert to it only from the impatience of the public and the absence of that gentleman on official duties. So far as material, and the construction of the mechanical part, is a matter of consideration, it is doubtful whether any advantage would be gained, either in economy, strength, or execution of the work, by importing one locomotive from abroad. No one now thinks of sending abroad for vessels for commerce or steamboats. American skill and in-dustry produce specimens of both, that excite the admiration of foreigners from every portion of the civilized world. They will, ere long, exhibit a similar success in the machinery used on Railroads. A little more experience alone is wanting to enable them to effect the object. It is also desirable that our wants should be supplied from a source not liable to be affected by the casualties of a long reverse. by the casualties of a long voyage, or by the interruption and risk consequent on foreign wars; indeed the policy of the Company would seem to dictate the enlargement of their own works, so as to furnish the entire road equipment within themselves; it might at the cor mencement be more expensive and troublesome, but would very soon be the most economical and satisfactory; for the work would be subject constantly to rigid inspection in all its parts, and all inducement either of interest or carelessness to slight the work would be removed. The many evidences of skill and in-genuity displayed in remodelling, and advan-tageously changing the arrangement of loco-motives, at our workshops, afford abundant evidence that encouragement of our own workmen will be the best means of insuring a supmen will be the best means of insuring a supply of our wants in this particular. There are considerations, however, which should have weight in making up a decision on so important a subject. Steam, as a moving power on roads, is still in its infarcy, though no new principles have been discovered; the manner of applying those already known is the subject of almost daily improvement; and judg-

ing of the future by the past, there is every reason to suppose that the locomotives now in use will give place, before many years, to others of a more improved construction.

The engines, whose performances astonished even the scientific world, at the great prize competition on the Liverpool and Manchester Railway in 1829, are now laid aside to make way for others better calculated for the Since that period, genius and science, fostered by the great and the affluent, have been incessantly engaged in rendering the locomotive a powerful and efficient agent to railroads. A mass of talent and experience is therefore to be found there, which can be obtained no where else, and it will be for the Board to determine (after consulting the Chief Engineer) on the expediency of ordering one or more engines from England, for the purpose of testing their relative value with those con-

structed in this country.

The system of supervision which was introduced last fall, to protect, maintain, and keep the road in order for daily service, as commu-nicated to the Board in my report of the 7th of January last, has fully realized my expect-ations. Monthly reports are received from the persons in charge of the several stations, exhibiting the aggregate of work done; from which the total cost per annum of maintaining and preserving the road can be ascertained, and those portions of the road most liable to derangement, or "wear and tear," corrected and strengthened by repairs and renewals. Serious apprehensions were entertained by some persons that the sinking of the piles in loose, uncertain, or wet soils, would be a great source of difficulty and expense. Indeed, it was not unreasonable to infer that a superstructure weighty in itself, extending one hundred and thirty-six miles, subject to enormous weights, passing rapidly over it daily, and depending for its support and permanency chiefly on posts driven into the ground, should yield in some The first five miles from the Lines. places. which was constructed as an experiment, exhibit more cases of this kind than four times the distance on any other part of the road. The experience gained there suggested the use of posts larger in size, and less pointed or tapering at the end inserted in the ground, which has obviated the evil. The mode of restoring the road to the true grade, when a de pression is occasioned by this cause, is simple, efficient and economical, giving at the same time additional strength and permanency, and its execution is within the range of the duties assigned to the road police.* From the experience we have had, I am inclined to believe that the expense of repairing and keeping the road in secure travelling order, will fall within the amount per annum stated in the original suggestions on the subject, viz. twenty thousand dollars. On the Eastern Division of the sand dollars. On the Eastern Division of the road, the charge will be less than eight thousand, including materials. It has been found that opening works of this kind for the first year for public use, cost more than at any subsequent period. Many defects remain undetected, until the sovere test of a resuler period. tected, until the severe test of a regular performance is brought to bear on them. On examining the half-yearly statement prepared for the Stockholders of the Manchester and Liverpool Railroad, it appears that repairing the injuries sustained in one year after the road was opened for the locomotives, cost fourteen thousand six hundred and sixty-two pounds sterling, for thirty miles, being upwards of three thousand dollars per mile, to repair and re-adjust the derangement produced by the steam * The Road Police on the eastern division is adequate to keep the Road in a state of repair and security, under any increase of travelling, and a slight increase in the number of the clerks at the stations. Conductors and attendants on the cars will be competent to transact ten times the amount of business at present done. While, therefore, our expenditure has nearly reached its maximum, our income can scarcely be considered as commenced; and every day's operations will present the affairs of the Company in a more gratifying position.

† The Liverpool and Manchester road.

gentleman, who was engaged in constructing a canal one hundred and six miles in extent, at the north, that the repairs the first year it was opened for public use amounted to ninety thousand dollars; in addition to which, the same work sustained injury by a freshet, which cost thirty thousand dollars to repair, within two years after its completion.* It is not necessa-ry, and indeed it would be invidious to go iurther in these statements, than the two referred to. As a general result, it may be affirmed that most works for conveyance or transportation, whether rail or turnpike roads, or canals, incur-a greater expense the first year they are brought into operation, than the average cost of the next succeeding ten years. The plan adopted in the construction has been peculiarly fortunate; it has been emphatically called the "Inland Bridge"—recently it has proved itself so. At a time when every mail teemed with accounts of the disasters occasioned by the late heavy freshets, when the Savannah river rose higher than it has done since the memorable Yazoo freshet, when serious apprehensions were at one time enter-tained for the safety of the Augusta Bridge, when the houses in Hamburg were encompassed by water, and all communication beween Hamburg, Augusta, and Barnwell Court house, was suspended for three days, and resumed on the fourth, at the risk of losing the mail and the lives of those entrusted with its conveyance-when the navigation of the rivers was stopped, their banks strewed with the fragments of houses, mills, &c. the highland roads washed into gullies, and the bridges in the low country in many places washed away -at this period, so destructive to property, and when intercourse between various parts of the country was entirely stopped, it will be gratify ing to the Stockholders to learn that, with the exception of the sliding of the side of a bank on the road (avalanche) within two miles of Hamburg, the works have not sustained injury to the amount of five dollars. During this whole period the trips were performed regular-ly in the usual time, and with the usual loads, and the passengers experienced no inconve-nience, except that resulting from a moist at Had the system of embankment mosphere. which is generally resorted to in similar works, in order to preserve the grade over low grounds, been adopted in this work, it is probable that a large portion of it would this day have been a mass of ruins; as human sagacity could scarce ly have anticipated the necessity of culverts sufficiently capacious to have afforded an outlet to such immense and overwhelming floods.

As the duties of my appointment will cease on the completion of the work, which may be shortly expected, at which time a new system for the permanent administration of the affairs of the Company will be necessary, and as this is the last annual communication which I shall have the pleasure of making to the Board, I will conclude by a summary of the proceedings of the Company since its formation. The books, according to the stipulation of the charter, were opened for subscriptions to the stock on the 17th of March, 1828. A moiety of capital only was subscribed. On the first Monday in May, 1828, the subscribers organized the Company by electing a Board of Directors, and appointing a Secretary. The Board, on entering on the delicate, arduous, and responsible duties imposed on them by the charter, and by the expectations of the public, found little to guide or enlighten their deliberations, from works of this character or construction elsewhere. It is true that the impulse which the railroad system

cars, &c. in one year; and I am informed by a in England had received, offered a powerful in ducement to persevere under circumstance otherwise unpropitious; but the material, mate, soil, and resources, of the two countries mate, soil, and resources, of the two countries were so essentially different, as to render a hopes of following the English plans altogethe visionary and illusive. Nor were they more fortunate in turning their attention to the efforts of their sister States. Few works of the nature had then been contemplated, and he one (the Baltimore and Ohio) which at all approached in magnitude to that contemplated by the Board. All were in the incipient stages of The ex arposes tion road he foun ing of trussel whole d the Board. All were in the incipient stages of progress, and the most that could be said of the best plans then proposed was that they were "splendid theories." Their value was yet to be tested, by the infallible touchstone of experience. Unaided by examples elsewhere, with no precedent that could be followed with safety or confidence, the Board were thrown upon their own resources, and finally determined to construct a road five miles in length by way of experiment, on the novel and untried mode on which the road is now constructed, as be adapted to the climate, soil, material, and class of labor of the country, and also as being better suited to the finances of the Company. With what success, and how far judicious, is for the Stockholders and the public to deter-

Meantime the limited essays made in the railroad system responded favorably to the anticipations of the sanguine, and the important bearing of this enterprise on the future destinie of the State and city rendered it a subject of the most intense interest, not only to the cap italist, but to the patriot and the statesman. The Stockholders were convened on the 19th of August, 1830, at which meeting, stock sufficient to increase the capital to \$581,340 was subscribed, and the Board authorized to commence operations, with a view to the completion of the entire line to Hamburg. The Board determined that the road should be surveyed, with a view to a definite location, and that the work should be placed uuder contract forthwith. On the 5th of November, Mr. Allen, as Chief

Engineer, with an efficient corps of assistants, commenced an examination of the route, with a view to a final location, and in the following June reported a line fourteen miles shorter than had been expected from former examinations, and four miles less in distance than the most direct communication by the common travelling roads. On the 28th of December, the first contract for the construction of four miles of road was concluded with Messrs. Gifford, Holcomb & Co. The balance of the eastern division was let out, as promptly as advantageous offers could be obtained, in small sections, so as to enlist all the efficient working force attainable

in the vicinity of each.
On the 17th of March, 1831, the first contract (except four miles of swamp to Charles De Witt,) on the western division, was signed by Messrs. Gray & Couty for the construction of thirty miles of road, to commence the same on the first of May, 1831.

The balance of the western division, except 3½ miles on Savannah River Swamp, was placed under contract to Messrs. W. & J. D. Gray and General Ware, to commence on the first of June.

The eastern division to Branchville, 62 miles from the city, was opened for public travelling on the 7th day of November, 1832, being one year ten months and twenty-one days from its commencement.

On the seventh day of February, 1833, the road was opened for travelling to Midway, 72 miles. It is two years precisely, from the date of this communication, since the contractors engaged to commence the work on the western division.

The distance reported by the Chief Engineer being 136 miles, and taking the divisions of labor, embraced in the form of contracts, as an exemplification, the progress of the work stands thus: the track is opened by felling the trees 200 feet wide throughout the line, except

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^{*} Since the above was penned, I have found more unquestionable evidence of this statement, viz. in Document No. 191, being a report on Steam Carriages, submitted to the 22d Congress, 1st Session, page 180. The following is an extract in relation to the Mauch Chunk and Bristol Canal, 594 miles along the Delaware. "This canal, however, has not yet been brought into profitable use, on account of the extensive repairs which had to be made during the year 1831, and amounting to \$97,339 51, or \$1,629 per mile.

inhin about nine miles of the city, and a few and keep a record of each day's work, mentioning in the valley of Horse Creek near Haming particularly the quantity and nature of the work, the number of spikes replaced, &c."

Statement of the number of passengers conveyed, and the amount of cash receipts at the

gether bitches and lateral drams sufficient in apposes are formed. All the brid samodate the public, neighborhood of this tion roads, are built.

all applies of piles, sills, sleepers, or trussel work, is completed for the tipes of the he caps and transverse pieces are tweety to the permanently fixed on for the distance of the he caps and transverse pieces are the permanently fixed on for the distance of the permanently fixed on for the permanently fixed on f

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Twelve pumps or watering places have been ous, is deter.

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The iron for Ware's contract 6 miles, is determed and the balance of the road has its ered, and the balance of the road has its in the the an-portant estinies

rmee prepared for the reception of fron, cept about 14 miles.

RECAPITULATION.—The road to Branchville s opened for public travel on the 7th of Nomber, 1832, which was, from the day its preparement was authorized by the Company ject of encement was authorized by the Compae cap esman. le 19th

two years two months and eleven days.

from the day that the Engineers entered on irfield duties—two years and eleven days.

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a three months after it had been opened to achville, viz. the 7th February, it was ned ten miles further, crossing the Edistoer on a bridge constructed for the purpose, and the fiber the city. rveyed, hat the thwith. s Chief istants, g 72 miles from the city.

the iron, and locomotive power to convey vere now at our command, and the stationangine should equal our expectation, the tern division might be completed one month this date, which would be two years and

month from the day the first contract to mence the work was executed. midst the many disappointments and diffi-es necessarily arising in an undertaking lovel and extensive, it must be matter of evelling ulation to reflect that the line of railroad finished, on which our engines travel, is offers ter in extent (in consecutive miles) than other in the world. I which is respectfully submitted, o as to tainable

ALEXANDER BLACK,
Commissioner S. C. C. & R. R. Co.
ce of Commissioner, May 1st, 1833.

om the Notes appended to the foregoing rt, we take the following:

tract from the rules defining the duties of ns acting as Road Police: "You are to over the section assigned to your care going down on one side of the road and ming on the other, examining minutely part of the road and correcting every t, attending to the most serious first. And t, attending to the most serious first. And any derangement occur, by accident or wise, beyond your means to repair in due call in the assistance of those on the adag stations. To attend especially to search to correcting all dethe wedges, and to correcting all de-ms in the road, occasioned by the sinkpiles or sleepers; also to securing the here the spikes are drawn or broken. these essentials are done, to employ the water on the arrival of the engines, hours.

with has been and all the landholders to have the string of the landholders to have the string of the excavations are entirely completed. The excavations are entirely completed by the excavations are entirely completed. The excavations are entirely completed. Depositories of Charleston, Branchville, and Depositories of Charleston, Branchville, and Midway, from the first of January to the 1st of May, 1833: Line Street, \$8,645 92; Branchville, \$2,369 24; Midway, \$512 02; total, \$11,527 18. Total number of passengers up, including stage passengers down, amount to 3,200; passengers down, from Jerico, 50; from 3,200; passengers down, from Jerico, 50; from 3,200; passengers down, 385; Sum-3,200; passengers down, from Jerico, 50; from Sineath's, 79; from Woodstock, 385; Summerville, 180; Laurence's, 60; Inabnet's, 69; George's, 45; way passengers from one intermediate station to another, 41; total, 4109.

> Statements of locomotives, passengers, crank, freight, tender, and horse cars, on the line and at the depository, and the arrangements in train towards an increase of the same:

> 2 eight-wheeled locomotives, viz. South Carolina and Charleston, (6000, 7000,) 13,000
> 2 four-wheeled locomotives, viz.
> West Point and Phænix, (4,000,) 8,000

3 first class passenger cars, outside bearings, (500,) 4 second class passenger cars, in-side bearings, (250,) 1,500 1,000

4 crank cars, one at Hamburg, one at Branchville, one on the line, and one at the depository, (220,) - 880
10 freight cars, outside bearings, (150,) 1,500
9 do. do. inside do. (180,) 1,620
8 tender do. 5 attached to the locomotive, and 3 in readiness, (160,) 1,280

11 lumber cars, 8 on the line and 3 at the depository, (135,) - - 1 fire light a \$135, and 2 horse cars,

a \$250, 635 1 sett of timber wheels, \$65, and 13 tarpaulins for freight cars, a \$9,75, 50 setts of springs a \$50 is 2500, and 191 75

3 setts at \$100, is 300, 2,800

\$33,891 75

To the Editor of the American Railroad Journal:

SIR,-I am pleased to see that the Boston and Providence Railroad is pressed on with energy, though our Boston friends have exerted an influence unfavorable to this road, preferring that New-York should be kept at a respectful distance, and some depression has been occasioned here by persons who wished to purchase stock; yet the stock will regularly advance, and will, no doubt, stand as high, or higher, than other railroad stock in the United States.

Should any doubt, let them look at the facts! I think that the road will command as large an amount of transportation of passengers and merchandise as any in the country. By reference to the map it will be seen that no other route can interfere with it. Between this city and Philadelphia other roads may be built, and the canal may take a large amount of business, but from Stonington to Boston the route brings Providence nearly in a direct line, and no other road can rival its natural advantages.

Should any, without reflection, suppose that a line of boats will be run to Providence, let it be observed that, with fare at \$6, they heretofore have not been profitable to stockholders: they make one passage, only, in two days, and that requires from 16 to 17 hours, whereas the boats to Stonington can make a passage every day, and not requiring births, would carry a in clearing the road of weeds, under-h, and other trash, that would subject it ury by shade and moisture, or accidental To be fully provided with a supply of and water are the arrival of the engines

Will boats run against such a competition? Certainly not. The transportation company will no doubt engage the present boats, to the advantage of their proprietors as well as their own. Besides passengers, the steamboats will have spare room for much freight, which can be delivered in Providence at less than insurance, interest, and freight of carrying it in other vessels te Providence, fitted out purposely for freight, without computing the advantage to the merchant of dispatch and certainty; as has been stated in the engineer's report, the Stonington road will be remarkably level, averaging only 12 feet per mile elevation; and the country abounds with the best materials for a railroad. The economy and saving to the company will be very great, by using timber to bridge across low lands, and to overcome the irregu-larity of surface, instead of incurring the expense of embankments.

I understand it is the determination of the directors to urge this work on with all practicable dispatch, that it may be completed even before the Boston and Providence. Engagements have been already entered into with the most experienced engineers, to superintend the work, and it is to be at once commenced.

Amount of Power lost by Curves on Railways. By S. D. To the Editor of the American Railroad Journal.

Sir,-A very curious and very neces. sary table remains still a desideratum in the science of railways, which I am inclined to believe the observations of experienced engineers would be able to furnish us with-I mean of the amounts of power lost by curves on railways. This loss, for the sake of a ready perception of its value, I would oppose to a relative inclination in this manner, which would, I imagine, bear to fully elucidate a very important section of that branch of engineering:

A curve of 5,000 feet radius 1 in 200 is equal to a rise of, say 1,000 1 in 150 66 66 600 1 in 100 66 66.

200 1 in 50, &c. &c., always supposing the outer rail of the curve as in practice to be raised above the level of the inner rail.

I know that some experiments have been made with this view, but I have never met with an account of them, and, in common with many others, am anxious to learn the results of such experiments. It appears to me to be one of those chapters on railways least understood at present, and on which the greatest improvements remain yet to be ef-Very respectfully yours, fected.

S. D.

Boston, May 12, 1833.

The subject referred to in the above comnunication we deem one of considerable importance, and shall be much obliged if some of our correspondents will furnish us with the desired information. - [ED. R. J.]

PRICES OF RAILROAD	STOCKS.	
New-York and Harlaemasked	994-offered	991
New-York and Albany		-
Canajoharie and Catskill		-
Mohawk and Hudson	141 —	1401
Ithaca and Owego	94 —	91
Saratoga and Schenectady	128 - · ·	1271
Fort Edward and Saratoga	110 —	1071
Boston and Worcester	105 —	102
Boston and Providence	115 —	114#
N.York, Providence, and Boston	106 —	106
Paterson and Hudson	103 —	102
N. J. Railroad & Transp. Line	110 -	1071
Morris Canal	91 —	90
Delaware and Hudson Canal	129 —	129



MERCHANTS' EXCHANGE, NEW-YORK.

This building is situated on the south-west impression upon the organs of sight. Upon side of Wall street, on the corner of Hano- this supposition, a very few particles of light ver street, extending through to Exchange arriving at the eye in a second of time, will Place, having a front of about 125 feet in be sufficient to make an object visible, per-Wall street, and forming nearly a square. haps not more than three or four; for though The basement story is occupied principally the impression may be considered as momenby the Post Office. On the principal story is the Exchange Room, which is 100 feet in length and 60 feet in width, with an arched ceiling suspended from the rafters of the building. It is constantly kept well lighted, warmed, and ventilated, and is attended by a person competent to give such information as strangers may require. The other parts the number of the particles of light, which of the building comprise the Stock Exchange, and various other offices devoted to mercantile pursuits, which are always in request.

In the dome is the Exchange Telegraph, connected with several stations in the harbor, the most remote of which is on the Highlands of Neversink, in the State of New-Jersey, the distance of which, in a direct line, is about 27 miles. This station is situated upwards of 400 feet above the level of the sea, and in clear weather commands a prospect of the offing, upwards of 30 miles in ex-The means of communication by the Telegraph are so easy, that any information can be conveyed through the whole line in the eye in the fourth or fifth part of a second, less than five minutes.

In addition to the station on Staten Island, the proprietors have placed signal poles, which always show, during the day, the number of inward bound vessels in sight, and they form a guide for pilots, by whom they can be seen from the principal wharves in the These stations have been erected at great expense by the Company.

In the Exchange Room is a book, open to the public, in which the Telegraphic communications are entered immediately they are received .- [Amer. Mec. Mag.]

TWINKLING OF THE FIXED STARS .- Having never yet seen any solution of the twinkling of the fixed stars, with which I could rest satisfied,* I shall offer the following, which may not perhaps be found an inadequate cause of that appearance; at least it has undoubtedly some share in producing it, especially in the smaller stars. It is not, I think, unreasonable to suppose that a single particle of light is sufficient to make a sensible

tary, yet the perception, occasioned by it, is of a much longer duration—this sufficiently appears from the well known experiment of a lighted body whirled round in a circle, which needs not make many revolutions in a second to appear as one continued ring of fire. Hence, then, it is not improbable that enter the eye in a second of time, even from Sirius himself, may not exceed three or four thousand; and from stars of the second magnitude, they may therefore not much exceed an hundred. Now, the apparent increase and diminution of the light which we observe in the twinkling of the stars, seems to be repeated at not very unequal intervals, perhaps about four or five times in a second: why may we not then suppose that the inequalities, which will naturally arise from the chance of the rays coming sometimes a little denser and sometimes a little rarer, in so small a number of them, as must fall upon may be sufficient to account for this appearance? An addition of two or three particles of light, or perhaps of a single one upon twenty, especially if there be an equal deficiency out of the next twenty, would, I suppose, be very sensible; this seems at least probable from the very great difference in the appearance of stars, whose light is much less different than, I imagine, people are in general aware of; the light of the middlemost stars in the tail of the Great Bear does not, I think, exceed the light of the very small star next to it, in a greater proportion than that of about sixteen or twenty to one; and Bouger tells us in his Traite d'Optique, that he finds a difference in the light of objects of one part in sixty-six sufficiently distinguishable.

It will perhaps be objected, that the rays coming from Sirius are too numerous to of this frame is a groove, in which readmit of a sufficient inequality arising from or more rollers, or little conical edged. admit of a sufficient inequality arising from the common effect of chance, so frequently as (as that seen at i), fixed to the under would be necessary to produce this effect, whatever might happen in respect to the smaller stars; but till we know what inequality is necessary to produce this effect, we can only guess at it either one way or the other; there is, however, another circumstance, that seems to concur in the twinkling of the stars, besides their brightness, and this is a change of color. Now the red and blue rays being very much particularly described. n is a standard fewer, I apprehend, than those of the inter. to the tracer carriage, bearing a three-mediate color, and therefore much more piece opq; the lower extremity of the

liable to inequality from the common effect of chance, may help very much to accoun for this phenomenon, a small excess or defec in either of these making a very sensible difference in the color.

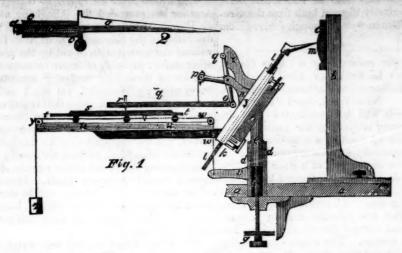
It will now naturally be asked, why the frequency of the changes of bright should not be often much greater, as well a sometimes less, than that above-mentione and why the interval of the fourth or fifth, some such part, should be pitched upon, a ther than the fortieth or fiftieth part of second, or than a whole second, &c. for, according to the length or shortne of the time assumed, the changes that w naturally occur from the effect of chan will be smaller or greater in proportion to each other. The answer to this que tion will, I think, tend to render the ab solution more probable, as well as to thro a good deal of light upon the whole subje The lengths of the times then between t changes of brightness, if I am not mistake depend upon the duration of the percepti before-mentioned, occasioned by the impr sion of the light upon the eye, than whithey seem to be neither much longer shorter. Whatever inequalities fall within much shorter time than the continuance this perception, will necessarily be blend together, and have no effect, but as they of pose a part of the whole mass; but those equalities, which fall in such a manner that they may be assigned to intervals ne equal to, or something greater than, the tinuance of this perception, will be so d ded by the imagination, which will natur follow, and pick them out as they arise [Phil. Trans. 1767.]

[From the New-York Mechanics' Magazine.]

Annexed is the engraving promised our last, of the apparatus "for producengravings of medals by machinery apple to the surface of the medal itself, or to of the caste from it;" the description is by Hebert, Editor of the Register of Arts, which we copy from the London Mecha Magazine. In our Analysis of the Dec ber number of that work, we omitted to s that the Editor had done ample justice to claims America had to the invention, oversight which we are glad to have a portunity of rectifying.

"Fig 1-a a represents a portion of table, to which is screwed a standard b, receives the medal c, or other subject to copied. To this table is also fixed a socket dd, in which a bolt e, fitted to it great accuracy, is made to slide up and by the agency of a fine threaded screen provided with a micrometer head at g, for purpose of adjusting the motion through spaces. The vertical bolt e is surmo by a strong plate or guide frame h, fixe it in an inclined position; on the upper of the upper part of a carriage j: this riage has another roller at bottom, mark which runs upon a flat plate bolted This carriage, made of brass, has a flat plate l l passed through it, with conical moving against anti-friction rollers, the upper edge of the steel plate is fixed tracing point m, as will be hereafter

^{*}Some astronomers have lately adopted, as a solution of this appearance, the extreme minuteness of the apparent diameters of the fixed stars, which, they suppose, must in consequence of this be intercepted by every little mote that floats in the air; but, that an object should be able to inter-cept a star from us, it must be large enough to exceed the apparent diameter of the pupil of the eye; so that, if the star were a mathematical point, it must still be equal in size to the pupil of the eye.



o being jointed to a bar, which carries the ruling. This machine was used in London etching point r over the copper or steel plate during the year just mentioned, and the mode of ruling waved lines, and of copying medals, metallic stage u u. v is a metallic arm fixed was then exhibited and explained by Mr. to the socket d, and connected by a steel Spencer to several artists; particularly to chain w to a stud x in the under side of the Mr. Turrell, who took, by permission, a drawplate carriage; to this stud is also attached a silken cord passing over a pully at y, suspending the weight z: the province of this weight is to draw the carriage plate backwards, as the tracing point passes over the projections of the medal, while the chain w draws the carriage forward as the tracing point passes into the cavities. In cases where the descent into cavities is perpendicular, or nearly so, to the plane of the middle, neither the common conical point, nor the tapering blade w, will reach the required it ever been patented, although prudential moneither the common conical point, nor the chine has never been made a secret, nor has tapering blade m, will reach the required spot; to obviate this difficulty, the patentee has inserted a very ingenious tracer of the blade form (fig. 2)—a is the blade, having an axis b, with the centre of motion coincident with one straight edge of the blade, cation in relation to this machine, it is now made with medications in the details for dent with one straight edge of the blade, cation in relation to this machine, it is now c c c c represent a socket, into which the pivot b of the blade fits with great accuracy, but made to turn with facility; the nut d keeps the tracer up to its bearing, to prevent its shaking longitudinally. It is evident that this form of tracer will admit of its being passed down the perpendicular sides of any declivity, in whatever direction the perpendicular side may be." dicular side may be."

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after ndard hree of the tion can be claimed for America.

"Believing that the credit of the invention of a machine for medal ruling is due to Ameryears the method has undergone.

"The proofs to be given of the existence

from the results produced by it.
"In 1817, by the use of a machine which

gravers,) took with him to London a machine

plate carriage; to this stud is also attached ing of the machine, for the purpose of having

continuous or broken; ruling converging The Journal of the Franklin Institute, for straight lines; ruling waved lines, the waves September last, contains an elegant engraved being either similar or varying by more or portrait of WILLIAM CONGREVE, the Drama-less imperceptible gradations; and medal tist, executed by Mr. A. Spencer, of Philadelphia, in the manner described, and has ile of a medal without injuring its surface, inserted the following proofs that the invennutest parts of the medal.

"Mr. Bate is said, in the extract which we have given, to be engaged in perfecting that purpose. It is impossible to say how far this latter claim may be borne out, since and state of a machine are to be derived a description of the patented improvements has not yet reached us.

"That Mr. Spencer has essentially perhad been invented in Philadelphia, Christian fected this machine, as far as beauty of exehad been invented in Philadelphia, Christian Gobrecht, die-sinker, produced upon copper an engraving from a medal, having upon it the head of Alexander of Russia: from this engraving impressions were taken and distributed. One of these impressions we have seen.

The description of the second of seen.
"In 1819, Asa Spencer (now of the firm executed with his machine, an impression of Draper, Underwood & Co. bank note en-

"The engraving is made from a copper medal placed in an embossed card of the ordinary kind. The surface of the medal bears not the slightest trace of injury from the machine, and even the yielding surface of the card is not roughened by it.

"An impression taken thus from a plate gives but a faint idea of the exquisite effect produced by engravings themselves made by this machine upon a polished surface of gold or silver.

"A series of the Napoleon medals, together with a portion of the series of medals struck in commemoration of the events of the first French revolution, attest the skill of Mr. Spencer."

The Journal of the Franklin Institute ob-

serves truly, that "America has been without her journals to put forth the claims of her ingenious men, and the credit of more than one invention has passed from her to those who have been able to give greater publicity to their designs; but this day has passed away, and we find notices of the ingenious works of our countrymen transferred to the pages of foreign journals, to be appreciated and acknowledged abroad as well as at home."

That need be no longer a cause of complaint, our pages are open to all communi-cations that have utility for their object, and we invite communications from inventors and practical men on all subjects relative to the arts and Sciences.

ARCHITECTURE. - Without entering deeply into the subject of Architecture, we pro-pose to devote a portion of our succeeding pages to the explanation of the general and fundamental principles upon which this highly interesting and beautiful science depends.

The science of Architecture has at all times, and in all civilized countries, been considered not only a pleasing but a highly useful branch of knowledge.

The great utility of this science, and the elegant accomplishments connected with its study, have almost rendered a knowledge of its rules and principles necessary to complete a liberal education. But it is not our intention to bestow encomiums on the science, nor to give any thing like a detailed history of it, but to present our readers with a plain and condensed account of what may be termed its elementary principles.

Architecture is usually divided, with respect to its objects, into three branches, civil, military, and naval.

Civil Architecture, called also absolutely, and by way of eminence, Architecture, is the art of contriving and executing commodious ica, we will briefly set forth our proofs, and claims the improvements on a machine for then speak of the improvements which of late that purpose. It is improvements to his patent he claims the improvements on a machine for temples, theatres, halls, bridges, colleges, porticoes, &c.

Architecture is scarcely inferior to any of the arts in point of antiquity. Nature and necessity taught the first inhabitants of the earth to build themselves huts, tents, and cottages; from which, in course of time, they gradually advanced to more regular and stately habitations, with variety of ornaments, proportions, &c. To what a pitch of magnificence the Tyrians and Egyptians carried Architecture, before it came to the Greeks, may be learned from Isaiah xxiii. 8. and from Vitruvius's account of the Egyptian Oeci; their pyramids, obelisks, &c.

Yet, in the common account, Architecture of the kind above alluded to, which was described by the kind above alluded to the kind abov comes to us with a Greek name.

Be this as it may, it is certain the Romans, from whom we derive it, borrowed what they had entirely from the Greeks; nor do they seem, till then, to have had any other notion of the grandeur and beauty of buildings, beside what arises from their magniacquainted with any other beside the Tuscan.

Under Augustus, Architecture arrived at its glory: Tiberius neglected it, as well as the other polite arts. Nero, amongst a heap of horrible vices, still retained an uncommon position of sediment, and may at length obpassion for building; but luxury and dissoluteness had a greater share in it than true magnificence. Apollodorus excelled in Architecture, under the emperor Trajan, by which he merited the favor of that prince; and it was he who raised the famous Trajan column, existing to this day.

After this, Architecture began to dwindle again; and though the care and magnificence of Alexander Severus supported it for some sible impediment to vessels since the increase time, yet it fell with the western empire, and sunk into a corruption, from whence it was ing the seat of government, and the meeting not recovered for the space of twelve centu-

The ravages of the Visigoths, in the fifth century, destroyed all the most beautiful vised to remedy the inconvenience of this monuments of antiquity; and Architecture shoal, it has occurred to me that a steam thenceforward became so coarse and artless, camel is capable of being made, at once to that their professed architects understood raise and bear vessels of any size over it. nothing at all of just designing, wherein its whole beauty consists: and hence a new manner of building took its rise, which is Blanchard, for the North River Companies,

Charlemagne did his utmost to restore Architecture; and the French applied themselves to it with success, under the encouragement of H. Capet: his son Robert succeeded him in this design, till by degrees the modern Architecture was run into as great an excess of delicacy, as the Gothic had before done into massiveness. To these may be added, the Arabesk and Morisk or Moorish Architecture, which were much of a piece with the Gothic, only brought in from the south by the Moors and Saracens, as the former was from the north by the Goths and

The architects of the 13th, 14th, and 15th century, who had some knowledge of sculpture, seemed to make perfection consist altogether in the delicacy and multitude of ornaments, which they bestowed on their buildings with a world of care and solicitude, though frequently without judgment or taste.

In the two last centuries, the architects of Italy and France were wholly bent upon retrieving the primitive simplicity and beauty of ancient Architecture; in which they did not fail of success: insomuch, that our churches, palaces, &c. are now wholly built after the antique. Civil Architecture may be dis-tical, and resting the inverted arch on the CD. Having found CD, make CH=3CD. tinguished, with regard to the several periods or states of it, into the antique, ancient, gothic, modern, &c. Another division of Civil Architecture arises from the different proportions which the different kinds of buildings rendered necessary, that we might have some lay horizontal, in connection with the frames, suitable for every purpose, according to the bulk, strength, delicacy, richness, or simplicity required.

building are denominated from them, viz. Architecture may also be mentioned here, from Gardiner, over the rapids, to Waterville. Corinthian, Ionic, and Doric: and there is for it is perfectly distinct both from the Gre- Another has ascended the Alleghany as far scarcely a single member, or moulding, but cian and Roman style, although derived from the latter.

> Proposals for constructing a Steam Camel. By John L. Sullivan, Civil Engineer. To the Editor of the Mechanics' Magazine. New-York, April 24, 1833.

SIR,-It will be recollected that the tude, strength, &c. Thus far they were un- name of camel is given to the hollow floats. name of camel is given to the hollow floats, as is requisite, by means of their steam used to buoy up ships of war to cross barred power, and the application of the machinery, harbors, especially at Amsterdam.

Wherever the current of a river meets the tide, a shoal is of course formed by the destruct navigation. All that art can do, then, below the shoals, or be brought up, loaded; is to contract the passage, and by a more rapid current compel the shoal to form further down stream. The effect of dredging is but partial and temporary. Vessels might be fitted out for foreign voyages, at Albany, and the largest class of coasters come to this port, but for this obstruction.

The Overslough is becoming a more senof the population and trade at this city. Beof the lakes and the ocean, it might become very commercial.

In case no permanent work should be de-

Having acquired the right to the recent improvement made in steamboats by Mr. I have invented, by the combination of two of them, with machinery, the instrument to which I have given the name of the steam camel.

The peculiarity of his boat was essential to its construction. It required that their hulls should be exceedingly light, yet very stiff, because vessels sit in the water according to the weight on board, and the displacement that equals it. The greatest weight will be in the broadest part of the vessel, but when she is lifted out that burden is transferred to on them somewhat unequally. And if so, their vertical strength must be such that one CB. end may be depressed without injury to the other: she must be incapable of changing her vertical shape.

The requisite lightness and stiffness of this vessel is owing to her frame being composed of arches. These arches are vertical and opposite, and their ends are connected strongly: they are then braced apart by cross

Two such frames placed parallel and ver-Hence arose five orders, all invented by the ancients at different times, and on different occasions, viz. Tuscan, Doric, Ionic, Corinthian, and Composite. The Gothic Springfield; another runs up the Kennebec, D.

as Hamilton, the key to a direct trade with the valley of the Mississippi, from New-York, without the intervention of aid by the laws of other states: probably of future consequence.

Two of these light and stiff steamboats being properly connected, yet apart suffici-ently to come on both sides the vessel to be assisted, she is lifted as much out of the water combined with them, to form the camel; and then applying the power to the wheels, she is carried quickly over the shoal. Thus any vessel might load at Albany, and be carried and sea vessels brought up more easily than to New-Orleans.

The Dutch camel is filled with water, and rought under the sides of the ship, when, on being pumped out, they buoy her up; but this is a slow process. The impatient trade this is a slow process. of the Hudson requires the most active aid. In five minutes the vessel should be raised, and in ten more set down. The specification of this improvement is too long for in-sertion in this place. This notice serves merely to show that the nature of the shoal is such as not to permit of a radical remedy, but may be thus practically surmounted.

JOHN L. SULLIVAN, Civil Engineer.

On the Methods of describing various Curves for Arches. By J. Thomson, Civil Engineer, Nashville, Tenn. [From the American Journal of Science.]

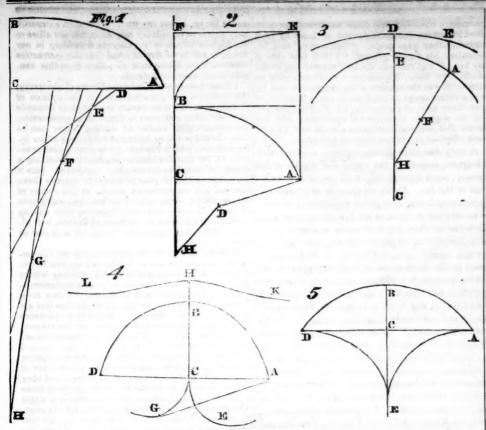
MR. EDITOR-The following observations on the methods of tracing various curves for arches are submitted for publication in the American Journal, with the hope that they may be found useful to mechanics, by saving the time and labor of tedious calculation.

The merely practical mechanic, unacquainted with algebraical calculations, is still uninformed in regard to the method of finding the point D (fig. 1), or the distance CD, the determination of which is the only difficulty he will encounter. The distance CD, in that communication, is only expressthe buoyant vessels, (or camel,) and will come ed in indefinite parts, and not by means of a quantity derived from the ratio of A C to

In order to find CD, divide the difference of the rise and half span of the arch by the following decimal numbers:

For five centers, divide by 0.794. For seven centers, 0.771. For nine centers, 0.758. For eleven centers, ' 0.749.

The method of finding these divisors will studs, and then tied together by screw bolts be given hereafter. It may be observed that close to each stud. Thus combining the the last divisor is nearly =0.75, hence when strength of the column with the longitudinal eleven centers are used, multiply the above strength of the fibre of the wood of the curves. difference of rise and half span by 4, and divide by 3, the result will be the distance floor timbers, the hull receives any desired Take one from the number of centers to be model. The ends project far enough to bear used, and half the remainder will be the up the impelling wheel, which is thus placed number of parts into which C H and C D are can be well sustained. This kind of steamboat tersections will give the centers H, G, F, &c. draws about one foot, all on board. So far Thus, when nine centers are used, as in the



and B C=d. Now when the number of cen-ficient in beauty. The elliptic arch is perters is given, the broken line H D is equal haps the most graceful, but when the rise is to CD multiplied by a constant quantity; small, compared with the span, it will not put this constant quantity =c, then H D=cy, admit of great pressure with safety at the and since the broken line A H must be equal crown. The cycloidal arch, with the same te BH, we have

$$x+cy=d+3y$$
, whence
 $x=d+y(3-c)$, and since
 $A \subset A \to D+C \to D$,
 $a=y+d+y(3-c)$, hence
 $y=\frac{a-d}{4-c}=C \to D$.

In order to apply this general equation, c must be calculated for the required number of centers. For five centers, take CD= any assumed quantity, say three; then by trigonometry we find the sum of the lines that constitute H D=9.619, hence B C such that A C will be to B C as half their rise and span.

=3.206. ! In the same way we find $c = \overline{C D}$ for seven centers c=3.229, and for nine centers c=3.242, and for eleven centers c=3.251. Hence we have for

Five centers,
$$CD = \frac{a-d}{0.794}$$

Seven centers, $CD = \frac{a-d}{0.771}$

Nine centers, $CD = \frac{a-d}{0.758}$

Eleven centers, $CD = \frac{a-d}{0.749}$

Since it is thus almost as easy to trace an oval arch with nine or eleven centers as with three, the description of this arch by means of three centers ought always to be avoided, as it is not only disagreeable to the eye, but it is deficient in strength, in consequence of the sudden change of curvature resulting from this mode of description.

Perhaps no curve unites beauty and a single point D is first assumed.

If you do not hear reason, she will surely rap your strength in a greater degree than the cycloid.

The above method of tracing this kind of knuckles.—[Franklin.]

To find the above divisors, put C D=y, The arch, equilibrated by a horizontal road-A D=x and the given quantities A C=a, way, is remarkable for strength, but it is derise and span with an elliptic arch, is more taken equal to about one-fourth of the rise. hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that hence it will sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at that he will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain a greater weight at the will be a sustain point, such as a heavy load passing over it. We are not at liberty, however, to choose the ratio between the rise and span of this also admit with safety a horizontal road-

> I have not seen noticed in any work on Me- of arches of this description is limited to the circumference of a circle to the diameter, the lines F H and A E being parallel to each other, and perpendicular to A C, and make C H=C B. Let the describing line taken equal to B H or twice B C, be extended from H to A, and brought to a proper tension by means of the point or pin D. The curve A B is then described with the centers D and H. This curve will be an approximation to the cycloid. Fix a number approximation to the cycloid. Fix a number of centers (the more the better) along the curve AB, and with these centers describe the curve BE, which will be a cycloid as near as can be obtained by any mechanical means. If, instead of a single point, D, three or four points be taken as centers between H and A, so arranged as to be nearly in a cycloidal curve, and keeping at the same time the line ADH at its proper tension, the resulting curve AB will itself be a very near approximation to the cycloid; but not much greater sensible accuracy can be attained in the second curve BE, than when

arch is derived from the principle, that when any curve or broken line ADH is assumed between the parallel lines A E and F H, the successive developments or involutes A B, BE, &c. between the same parallels, constantly approach to, and finally terminate in a cycloid. These involutes converge so rapidly to the form of this curve, that when the above method is adopted, the second involute B E may always be assumed in practice as the required curve.

One advantage that might be mentioned, in tracing curves for arches with a variable radius, is that we may always obtain the height of the road-way above any point in the arch, such that it may be equilibrated by the superincumbent weight. Thus, let DE (fig. 3) represent a road-way passing over the arch AB, let BC=radius of curvature at the point A, DB=height of road-way at the

crown, then we have $AE = \frac{DB \wedge BC}{AF \times (\cos A + B)^3}$. D B×B C

An arch that will require a gentle elevation of road-way at the crown, in order to produce equilibration, may be described by the following method. Let A D, (fig. 4,) Let A D, (fig. 4,) represent the span of the arch, B C the rise; describe an arc C G of a circle on D C as a diameter; extend the describing line from A to G, where it is a tangent to the circle; the line being fixed at G, describe the half arch AB with centers arranged along the curve CG, and in the same manner describe the half arch BD with centers on CE. If the span A D be=100, A G will be=70.7, and hence the rise B C will be 40. It will be found from the above equation that this arch will be nearly equilibrated by a road-way of the form of L H K, gradually ri-sing at the crown of the arch, when HB is

arch, these being always to each other as the diameter of a circle to the circumference. way. The span of this arch will be to the rise as 2r to $\frac{1}{4}c-r$, r being the radius of a The mechanical construction of the cycloid is very easy. The following method will be as 1 to 0.2854. The use, however, will be as 1 to 0.2854. The use, however, cases where we are at liberty to adopt the constant ratio that necessarily exists between

> applied to the wall in the thickness of a fivefranc piece, with a trowel wet with soap suds, and in such a way that the whole of the wall may be finished in the same day. None but mineral colors should be mixed with the stuc-None but mineral colors should be mixed with the stucco, as the lime would destroy those derived from
> the vegetable kingdom. To obtain the greatest
> brilliancy, the mortar should be applied with a
> cold trowel. Workmen, for the sake of ease
> and expedition, usually employ it warm. Chips
> and fragments of marble may be advantageously employed for this purpose. In cases where
> the appearance of a marble wall would be objectionable on account of its coldness, any portion of it may be covered with paper.

NEW-YORK AMERICAN.

MAY 18, 20, 21, 23, 23, 94-1833.

LITERARY NOTICES.

THE LIFE OF JOHN JAY, WITH SELECTIONS FROM HIS CORRESPONDENCE AND MISCELLANEOUS PAPERS, by his son WM. JAY: 2 vols. 8vo. 500 pp. N. York; J. & J. Harper,-"I have long been convinced that human fame was a bubble, which, whether swelled by the breath of the wise, the good, the ignorant or malicious, must burst with the globe we inhabit. I am not of the number of those who give it a place among the motives of their action. Neither courting nor dreading the public opinion on the one hand, or disregarding it on the other, I joined myself to the first assertors of the American cause, because I thought it my duty; and because I considered caution and neutrality, however secure, as being no less wrong than dishonorable." In this brief extract from one of his own writings-a history of his Spanish Missionhave an epitome of the character of John Jay. Such us it was, when he first joined himself, in 1774, to the American cause, such it continued to be till, in 1829, at the advanced age of 84 years, death put his final seal upon a lofty and unblemished career .-It is impossible to read these volumes without feeling unqualified admiration for the high motives, the singleness of purpose, the purity, the energy, the zeal and the ability, to which every page of them bears such ample and irrefutable testimony. Time is the great Revealer—the great Justifier. That public man who can stand before posterity in the presence of Truth-and have his whole career open ed-his inmost views and feelings scanned-and his opinions-often perhaps at the time hastily but imperishably, recorded-adduced in evidence and contrasted with each other-whose age can be confronted with his youth-and his public with his private lifeand can pass this ordeal unscathed-may be ranked among the Great and Good. Such a man was John Jay; and the cause of virtue and true patriotism is deeply indebted to the son, who, by the publication of these memoirs, has so signally served it, while he discharged a sacred duty to a father's fame.

We have not room-nor for the great majority of our readers can it be necessary-to furnish a sketch, however slight, of the public life and services of Mr. Jay. These are already a part of our history. We must content ourselves therefore today, with culling here and there some of the less known incidents and personal characteristics developed in these pages.

While the second Congress in 1775 was sitting in Philadelphia, the following incident, of which we do not remember seeing any previous notice, occurred, as related by Mr. Jay:

Some time in the course of this year, probably a bout the month of November, Congress was informed that a foreigner was then in Philadelphia, who was desirous of making to them an important and confidential communication. This intimation having been several times repeated, a committee consisting of Mr. Jay, Dr. Franklin, add Mr. Jefferson was ap-pointed to hear what the foreigner had to say.— These gentlemen agreed to meet him in one of the committee rooms in Carpenter's Hall. At the time appointed they went there, and found already arrived an elderly lame gentleman, having the appearance of an old wounded French officer. They told him they were authorized to receive his communication upon which he said that his Most Christian Majesty upon which he said that his most children made by had heard with pleasure of the exertions made by the American colonies in defence of their rights and the American colonies wished them success, privileges; that His Majesty wished them success and would, whenever it should be necessary, manifes more openly his friendly sentiments towards them.
The committee requested to know his authority for giving these assurances. He answered only by ng his hand across his throat, and saying "Gen. tlemen, I shall take care of my head." They then asked what demonstrations of friendship they migh expect from the King of France. "Gentlemen," answered the foreigner, "if you want arms, you shall have them; if you want ammunition, you shall have it; if you want money, you shall have it." The

committee observed that these assurances were in-deed important, but again desired to know by what deed important, but again desired to know by what authority they were made. "Gentlemen," said he, repeating his former gesture, "I shall take care of repeating his former gesture, "I shall take care of my head:" and this was the only answer they could obtain from him. He was seen in Philadelphia no more. It was the opinion of the committee that he was a secret agent of the French court, directed to give these indirect assurances, but in such a manner that he might be disavowed if necessary. Mr. Jay stated that his communications their effect on the proceedings of Congress.

A truly American feeling on every question with foreigners respecting the rights and dignity of his country, was a marking trait in the character and con duct of Mr. Jay. Under the pressure of adverse circumstances Congress suffered themselves, in 1781, to receive the dictation of the French minister as to the terms on which alone American ministers in Europe should treat for peace with England; and they actually agreed, on the proposition of M. Gerard, to insert in the instructions of their ministers the following paragraph additional to that in which the American functionaries were directed to repose full confidence in, and freely to consult the French cabinet-"and ultimately to govern yourself by their advice and opinion." John Adams, then minister in France, having been found of too sturdy honesty, and too sagacious judgment, for the purposes of Count de Vergennes, Congress was induced, chiefly by the importunity of the French minister in Philadelphia, to associate other four Commissioners with him, in order to treat of peace. The persons selected were John Jay, Thomas Jefferson, Benjamin Franklin and Henry Laurens. Mr. Jay, when he received his new commission with the instructions just alluded to, was in Madrid. How they affected him will be perceived by the following letter-admirable not less for unaffected personal humility, than for high and genuine pride of country:

To the President of Congress.
St. Ilderonso, 20th. Sept. 1781. Sir .- Your excellency's favor of the 5th July pas with the papers therewith enclosed, were delivered to me on the 29th ult. by Major Franks, whom the procrastination of the minister still obliges me to

The new commissions with which Congress have honored me, argue a degree of confidence which demands my warmest acknowledgements; and which, so far as it may be founded on an opinion of my zeal and integrity, they may be assured will not prove

misplaced.

At the commencement of the present troubles I determined to devote myself, during the continuance of them, to the service of my country, in any station she might think it proper to place me. This resolution, for the first time, now embarrasses me. I know it to be my duty, as a public servant, to be guided by my own judgment only in matters referred to my discretion; and, in other cases, faithfully to execute my instructions without questioning the policy of them. But there is one among those which accompany the commissions, which occasions sensations I never before experienced, and induces me to wish that my name had been omitted.

al pride and reluctance to humilia. So far as person tion may render this appointment disagreeable, I view it as a very unimportant circumstance; and should Congress, on any occasion, think it for the public good to place me in a station inferior and subordinate to the one I now hold, they will find me ready to descend from the one, and cheerfully undertake the duties of the other. My ambition will always be more gratified in being useful than conspicuous; for, in my opinion, the solid dignity of man depends less on the height or extent of the sphere allotted to him, than on the manner in which he may fulfil the duties

But, sir, as an American, I feel an interest in the dignity of my country, which renders it difficult for me to reconcile myself to the idea of the sovereign independent States of America submitting, in th persons of their ministers, to be absolutely governed by the advice and opinion of the servants of another sovereign, especially in a case of such national im-

nary extent of confidence may stimulate our allies to the highest efforts of a generous friendship in our favor, is not to be denied; and that this instruction receives some appearance of policy from this consideration, may be admitted.

I must, nevertheless, take-the liberty of observing, that however our situation may, in the opinion of Congress, render it necessary to relax their demands on every side, and even to direct their commission. ers ultimately to concur (if nothing better can be done) in any peace or truce not subversive of our in-dependence, which France may be determined to accede to, yet that this instruction, besides breathing a degree of complacency not quite republican, puts it out of the power of your ministers to improv chances and opportunities which, in the course of human affairs, happen more or less frequently unto all men. Nor is it clear that America, thus casting herself into the arms of the King of France, will advance either her interest or reputation with that or

other nations.

What the sentiments of my colleagues on this occasion may be, I do not as ket know; nor can I fore-see how far the negotiations of the ensuing winter may call for the execution of this commi Thus circumstanced, and at such a distance from America, it would not be proper to decline this appointment. I will, therefore, do my best endeavors to fulfil the expectations of Congress on this subject; but as for my own part, I think it improbable that serious negetiations for peace will soon take place, I entreat Congress to take an early opportunity of relieving me from a station where, in character of their minister, I must necessarily receive and (under the name of opinions) the directions of those on whom I really think no American minister ought to be dependent, and to whom, in love for our country, and zeal for her service, I am sure that my colleagues and myself are at least equal. I have the honor to be, &c. John Jay. honor to be, &c.

While Mr. Jay was in Paris, a Commissioner to treat for peace-Mr. Oswald being the British Commissioner-the following anecdotes are recorded. It is matter of regret certainly that Mr. Jay's opinion, as to their exactitude and authenticity, was never ascertained:

In Mr. Jay's diary are found two extraordinary anecdotes, which, if true, convict the French govern-ment of a degree of perfidy and baseness rarely par-

alleled in history.
21st October, 1782.—Visited Mr. Oswald; he told
me that a Mr. Pultney had within a few days arrived here to place his daughter (a rich heiress) in a convent; that Mr. Pultney in confidence gave him the following anecdote, viz: That in the latter part of last winter, or beginning of last spring, there was an Englishman of distinction here who, in conversation with a friend of Mr. Vergennes, expressed his regret that the affairs of America could not be so arranged as to lead to peace. The friend mentioned this to Vergennes, who agreed to admit the Englishman to an audience on the subject. Accordingly, the Englishman and this friend waited upon the minister, who, in the conference, offered to divide America with Britain, and in case the latter agreed to the partition, that the force of France and Britain should be used to reduce it to the obedience of the respective sovereings. On parting, the minister said that in case this offer should not be accepted, he reserved to himself the right of denying all that he had said about it; that this offer was refused, and that the friend in a letter to the Englishman had expressed his regret on the subject. Mr. Oswald told me further, that Mr. Pultney assured him that he received this information from the Englishman's own mouth. Mr. Oswald spoke handsomely of Mr. Pultney's character. I advised him to trace the matter further, if true, to get it properly authenticated, which he promised to do.

It appears from the date of this anecdote that it was told to Mr. Jay after the preliminary articles had been agreed on by the negotiators, but before they had received the assent of the British cabinet. It may therefore be supposed that the object of the communication was to prejudice the American commis-sioner against the French court, and thus to induce him more readily to yield to the objections which England might possibly make to the articles. Such a supposition will not apply to the following narrative, which was not given till after the preliminary treaty was signed, and all the great points in dispute

settled

That gratitude and confidence are due to our allies 22d December, 1782.—Between 7 and 8 o'clock is not to be questioned; and that it will probably be in the power of France almost to dictate the terms of eral conversation he took occasion to say that Lord

Mount Stuart, the son of Lord Bute, had dined with him to-day; and that he had slso seen his brother, Col. Stuart, who had served the whole war in America. He spoke of the Colonel's aversian to the American war, and the account he gave of the want of discipline and the disorder which prevailed in the British army there. He passed several encomiums on the Colonel's character; sometimes of the father and then of the son's, observing how unlike they was to what the fether was supposed to be; though on the Colonel's character; sometimes of the father and then of the son's, observing how unlike they were to what the father was supposed to be; though for his part, he believed that more sins were laid on his back than he had ever committed. He said that Lord Mount Stuart execrated the American War, and had shown him to-day several letters written by at Turin (where he was ambassador) to Lord Hils-borough on that subject. Mr. Oswald asked me if I remembered what he had told me of Mr. Pultney's information about the proposition of Count Vergennes, to divide America with Britain. I told him I did. 'Well,' says he, 'the same kind of proposition was made to Lord Mount Stuart. His Lordship brought with him here to dinner his letter-book, which he did not choose to leave with his Charge d'affaires, and in which he showed me his letters writ ten with his own hand, (for he would not confide it to his secretary) to Lord Hilsborough; and the first letter written was dated in the month of September 1780; from which it appears that a Mr. Mally, who had formely traveled with Lord Mount Stuart, and is an honorary professor at Geneva, and is employed to write the history of Hesse, &c., for which he receives annuities; a man, in short, well known among men of letters, was employed by Mr. Neckar to make overtures to Lord Mount Stuart, about putting an end to the war, by dividing America between Britain and France, the latter to have the eastern part.

Mr. Oswald also says that Lord Mount Stuare

went to Geneva on the occasion, where he conversed with Mr. Mally, and that his lordship read to him out of his letter-book French letters from this Mr. Mally to his lordship on the subject, after his return to Turin: that this correspondence contains a very curious and particular account of French intrigues, particularly that Neckar wished for peace, because his system could only raise money enough to provide for old arrears and for current expenses; and were he obliged to sustain the expense of the war, he must break in upon it, and perhaps be disgraced; it also mentioned the intrigues to get De Sartine out of the marine department; and Mr. Oswald says that the overteres about America were conducted with a variety of precautions for secrecy, and with a stipula-tion or condition that both parties, in case they did not agree, should be at liberty to deny all that pas He told me that my lord wrote strongly to Lord Hilsborough against the American war, and that the lat-ter in answer told him it was a subject out of his line, and with which it was not proper for him to inter Lort Mount Stuart was offeuded with the Minfere. for this, and he brought his letter-book with him to Mr. Oswald to show him the full state of the mat Mr. Oswald said, that as he had told me the affair of Mr. Pultney, he could not forbear mentioning this also, for it was a little strange that so extraordi nary a matter should come so circumstantial and correspondent from such different and unconnected quarters. He desired me to consider this communication s very confidential, adding that he could say more but that it wouln not be proper for him at present to enter into a detail of further particulars.

The high respect entertained for Mr. Oswald by the American commissioners precludes all suspicion that the facts above related were fabricated by him. How far he was imposed upon by his informants tar his informants were themselves deceived and how far these relations are correct or other-wise, are questions which probably will never be fully answered. It is not known what were Mr. Jay's sentiments on the subject. He recorded at the time the information he rec'd, but without comment

"Aptitude to change in any thing never made a part of my disposition, and I hope makes no part of my character." It is thus that Mr. Jay speaks of himself, to an old and valued friend, the late Peter Van Schaack of Kinderhook, who having embraced the King's side in the quarrel with the mother country, had gone to London, and was separated by distance as well as feeling from the former loved associate of his youth, Mr. Jay. When Mr. Jay was the minister of the independent United States at Paris, Mr. Van Schaack wrote a letter to him, communicating his own unaltered regard for the friend of his early life, but expressive of uncertainty as to the present feelings of that friend. The reply of Mr. Jay commences be done with propriety and to advantage; but I shall,

We find ourselves compelled to break off from this work; but as we hope to return to it once and again, we conclude with an extract from a letter in the 2d volume, showing that on minor, as well as higher subjects, the views of Mr. Jay were always just, manly, and in good taste:

We remove next week to Aranjuez, where I expect again to spend some agreeable weeks. It is a charm ing place, containing a tract of several miles in circumference, and divided into gardens, meaparks, cultivated grounds, and wilds, full of fine trees, fine roads, and fine walks, and watered by a slow winding river, which, if more clear, would be very beautiful. But still, my friend, it is not Amer-ica. A genius of a different character from that which pr sides at your hills and gardens reign over Soldiers, with fixed bayonets, presents them these. selves at various stations in these peaceful retreats and though none but inoffensive citizens are near, yet horsemen with drawn swords, guarding one or other of the royal family in their excursions to take the air daily, renew and impress ideas of subjection. Power unlimited, and distrust misplaced, thus exacting homage and imposing awe, occasion uneasy reflec-tions, and allay the pleasing sensations which nature, smiling in such delightful scenes, never fails to ex-cite. Were I a Spaniard, these decorated seats would appear to me like the temporary enchantm of some despotic magician, who, by reextending his wand, could at pleasure command them to vanish,

and be succeeded by galleys and prisons. Nothing is more true, than that all things figure comparison. This elegant seat being surrounded by extensive wastes, appears like a blessed and fortunate island in a dreary ocean. The contrast heightens its charms, and every traveller arrives with a mind predisposed to admire and enjoy them; but as the first impression wears away, and he begins to recollect the more happy, though less magnificent abodes in his own country, the attractions and allurements of this insensibly diminish. I have more than once ex-perienced this, and though not difficult to please or be contented, yet Iconfess that I find little here that resembles, and nothing that can compensate for the free air, the free conversation, the equal liberty, and the other numerous blessings which God and nature, and laws of our making, have given and secured to our happior country. I would not be understood to insinuate, that good society and agreeable compan-ions are wanted here. They may perhaps, abound more in some other parts of the world, but they are also to be found here, though an unsocial kind of policy requires unceasing attention to the most austere rules of caution and prudence. The little that I have seen and observed of this people, induces me to think that (except the generality of those who compose the highest and lowest orders,) they possess many qualities which are praiseworthy; and that two or three long and wise regins would make them a very powerful, and an amiable nation. But as I have not had sufficient opportunities of mixing with, and personal-ly knowing many of them, time and further information may either confirm or alter this opinion. The evident suspense and indecision of the court respecting us, has kept many at a distance, with wh should otherwise have been on a very familiar footing, and some of them have been so candid as to tell me so. This is a kind of prudence which naturally grows out of a jealous and absolute government, under which the people have, for many generations, been habituated to that kind of dependence, which constrains every class to watch and respect the opinions and inclinations of their superiors in power. The prosperous tide of our affairs, however, has for some time past runso strong, that I think many of our obstacles here must soon give way. Shyness will then cease, and I shall not aftarwards find it difficult to be received into more of their houses, and that in the only manner I ever wish to be received into any -I mean, at the front door, by direct invitation from the master of them, and without the precursory good offices of upper servants and unimportant favori whom I never could aubmit to court. Until this pe riod arrives, I shall continue to cultivate the few ac quaintances I have, and without giving offence to any, endeavor to increase their number, whenever it may

NEW YORK AS IT IS IN 1833, AND CITIZENS' AD-VERTISING DIRECTORY, &c. &c. Edited by EDWIN WILLIAMS. New York: J. Disturnell.—This is a capital little book-and the better tor being little. It has a good map of the city-a copy of the amended charter-lists of all the institutions of Education, Commerce, Charity, &c. &c. It is what it purports to be, an epitome of the city as it now is.

BOTANY OF THE NORTHERN AND MIDDLE STATES, &c. &c. By LEWIS C. BECK, M. D. &c. &c. bany: Webster & Skinners .- The object of this work, according to the statement in the preface, is "to furnish a description of the plants of which treats, adapted to the present state of botanical science." The plants, therefore, are arranged according to the natural system—with a " synopsis of the genera according to the Linnman System." A sketch of the rudiments of botany is given, so as to adapt the work to beginners, as well as to those who have m some progress in the study; and a glossary of the terms usually employed. All plants found north of Virginia are embraced in this manual.

ELEMENTS OF CRITICISM, by LORD KAMES. Edit ed by Abraham Mills, A. M. 1 vol. New York: Conner & Cooke .- This American edition of Kames's Elements of Criticism is printed from the last Edinburg edition, revised by the author himself. The part of Mr. Mills in the hook is that of preparing and prefixing to each chapter an analysis of its contents and the supplying from good standard translations English versions of the various poetical illustrations, from classical and foreign writers, with which the work abounds. In this matter Mr. Mills judges rightly-for as a school book these Elements neces. sarily fall most frequently into the hands of persons unacquainted with foreign tongues, and who y would desire to understand what they see before them, although aware that as examples of any peculiar figure or style, they lose their value in a translation.

There should have been more care bestowed by the proof reader on the typographical accuracy of the quotations. There are very many errors in them. Otherwise the book is well printed.

VOYAGES ROUND THE WORLD, WITH SELECTED SKETCHES OF VOYAGES TO THE SOUTH SEAS, &c., &c.; by Edmund Fanning: Collins & Hannay .- The narrative of Captain Fanning is well compiled, and written in that simple, unpretending style which should alway mark the relation of events in which the narrator is the chief actor. The interest of the work com mences with the appearance of the author upon the scene in the humble capacity of a cabin boy in a coasting vessel; and-apart from a variety of general entertaining and instructive matter spread through the volume-it is for those who love to contemplate a manly and independent character, gradually rising in the world to competence, influence and usefulne amply sustained by those particulars which refer sole ly to the author himself. The voyages described commence in the year 1792, and are brought down to 1832; and with much general information relating to the North and South Pacific, the China Seas, as late discoveries in various parts of the world, include a particular report of the commander of the first exploring expedition ever patronized by governm performed in the brigs Seraph and Annawan to the southern hemisphere. This report speaks in the highest terms of the Aurocanian Indians, a tribe pre viously but little known-for the Spaniards nev could subdut them-and whom it describes

use of arms, and bold and alert in defending their rights, but frank and friendly in their intercourse with the American strangers, so soon as they understood that their intentions were not hostile. An account of this interesting people is now in preparation for the press, by one of the gentlemen engaged in the expedition. This work is printed in a style highly creditable to the publishers.

ASTRONOMY AND GENERAL PHYSICS, CONSIDERED VITH REFERENCE TO NATURAL THEOLOGY: by the Rev. WM. WHEWELL. Philadelphia, Carey, Lea & Blan--The series of treatises of which this is one, is published in accordance with a provision in the will of the late Earl of Bridgewater, by which a munificent sum was left to be paid out of his estate to certain competent persons who should produce approved treatises on the Power, Wisdom, and Goodness of God, as manifested in the creation; sustaining the same by all reasonable arguments, and bringing the discoveries, ancient and modern, in the arts, sci ences, and literature, to the illustration of the sub jects treated :- a bequest which, while it could have ggested itself to no common mind, transcends in philanthropic foresight and enlightened benevolence towards the human family, all the endowments of churches and hospitals, and similar praiseworthy charities, that ever ennobled the last moments of those who have bequeathed their millions to the public. Infidelity in those of cold and sterile hearts can only be met by the weapons they affect to wield alone themselves,-reason and knowledge. And though fervent piety often exists in the true but hum ble mind, independent of such support, it should be ever backed by their influence in those of more fortunate opportunities. The severest study of the scholar may not lead him nearer to Heaven than the untutored reflection of the ploughman; but it arms him with weapons to make good his passage when once upon the true path, and it enables him to make the practice of his faith respected in himself, by those who want the jndgment, the courage, or the feeling, to embrace it for their own sake: Religion, ough she sit brooding like the dove in the bosom which she makes her home, may defend herself with the talons of the eagle when hawks are abroad that would drive her from her peaceful nestling place. Infidelity and skepticism have ever made their greatest strides when assuming the robes of learning; and in our day especially, we are all familiar with the attempts made, under the garb of science, to proulgate the wildest systems, and thoroughly to disorranize society. It only remains, then, for those who have the best interests of mankind—the cause of Sternal Truth at heart,-to bring that worldly knowdge, which has been likened to the wisdom of he serpent, to bear upon doctrines that wind with a erpent's cunning into the bosoms of the ignorant ad half-educated. The laws of nature were never iolated in the age of miracles, when natural means ould accomplish the end in view: nor, while men ave the faculties which, properly exerted, could keep ce with, and crush, the most active efforts of their llows to swell the stream of infidelity, will Heaven terpose to stay a torrent which men should have e power to withstand. Let but half the active taland practical knowledge of men which infidelity under her gloomy banners, be substituted for e feeble understanding and ill-regulated zeal which many well-meaning teachers of religion bring to ir labors; let reason be opposed to sophistry, nd knowledge to false learning; let, in fine, the bold, active, and ingenious enemies of reli-n be met by those equally sagacious, alert, and tolute, and the most timid of the many who deon the few, need never fear the host that upon the few, need never lear the away, with subtile step to "steal their faith away,

AND MANNERS; by MISS LESLIE. Philadelphia: Carey, Lea & Blanchard .- The ingenious authoress of this little collection has already attained quite an extensive celebrity from the favor with which most of these tales have been received in the periodicals where they originally appeared. And the happy faculty she has of catching a thousand little peculiarities of manner, and hitting off the broader features of character, certainly entitles Miss Leslie to very great praise as a new writer, and holds forth liberal promise for her future efforts. Her forte appears to be decidedly in a species of half caricature, by which the airs and absurdities of individuals or coteries are placed in the strongest colors; but as a pain. ter of society generally, she wants as yet that just and delicate blending of light and shade which can alone stand the test of scrutiny and give truth to such views. Still, even in her partial views of character and manners, there are occasional touches which remind us of the happiest of her brother's pencil. As the work of a young and rising authoress, we may take another opportunity to refer to that before us.

The following is a list of other works lying on our table, which we must endeavor to give some account of hereafter :

LECTURES, EXPLANATORY AND PRACTICAL, ON THE EPISTLE OF ST. PAUL TO THE PHILIPPIANS: intended chiefly for the use of families; by Manton East-BURN, Rector of the Church of the Ascension, N. Y. 1 vol.; New York, G. & C. & H. CARVILL.

THREE YEARS IN NORTH AMERICA: by JAS. STU RT; 2 vols.; N. York, J. & J. HARPER.

DIARY OF A PHYSICIAN, 2d vol., including the lates stories published in Blackwood; N. York, J. & J. HARPER.

THE MOTHER'S MEDICAL GUIDE, &c. &c.; by R. & H. O. Bradford; with notes amendments by Jeome V. C. Smith, M. D.: Boston, ALLEN & TICKNOR.

SCHINDERHANNER, OR THE ROBBER OF THE RHINE; 2d vol. of the Library of Romance; by Leigh Ritch. IE; Philadelphia, CAREY, LEA & BLANCHARD.

ZOHRAL, OR THE HOSTAGE; by the AUTHOR OF HAL JI BABA; vol. 2; N. York, J. & J. HARPER.

The 26th number of the American Quarterly Review, as we learn from the National Gazette, -is in forwardness and will appear at the stated period. The titles of the several articles are-Froissart and his Times; 2. Army of the United States; 3. Morrell's Voyages; 4. Fortification and Sieges; 5. Dungilson's Physiology; 6. Life of Sir Humphry Davy ; 7. Negro Slavery ; 8. Stuart's North America; 9. Palgrave's British Common wealth.

FOREIGN INTELLIGENCE.

LATER FROM EUROPE .- The packet ship Sovereign from London, furnishes dates from that city to the 12th ult. and from Paris to the 9th. The intelligence is of more than ordinary interest. The affairs of the East become more complicated.

* The French circular, explaining the course of France in seeking to mediate between the Porte and its Egyptian adversary, explains the actual condition of things-while it looks manifestly to the not improbable chance that this Eastern quarrel may extend to the Western Powers of Europe.

Don Pedro's cause is again somewhat in the as endant-a supply of men, money and provisions having reached him.

A popular tumult and insurrection had occurred at Frankfort, caused by the systematic efforts which the German Diet is making, to extinguish, in all the States represented in or controlled by it, all free discussion, and every trace of liberal political institutions. No immediate consequence is to be looked for from the occurrence; nevertheless it is to be re-lireceived to throw a light upon the probable issue of

na noble and warlike nation," habituated to the PENCIL SKETCHES; OF OUTLINES OF CHARACTER | garded as another indication—if oppressors could ever be forewarned—that the German population are ready at any moment to throw off the yoke that degrades them.

> King William of Holland continues to play off the mighty nations which please themselves with the idea of regulating his affairs-while he gains time, and of course all the chances which-time brings with it.

> The bill for the coercion of Ireland is, it will be seen by Lord Anglesea's proclamation, already in force in one district in Ireland. The agitator O'Connell promises, while that bill remains in force, a weekly address through the papers to the people of Ireland.

> A debate, angry and unbecoming, occurred in the Chamber of Deputies of Paris on the 8th April, in regard to the Editor of the Tribune-accused of breach of privilege for publishing that a member of the Chamber of Deputies received a monthly stipend frem the French government. On the first day, M. de la Fayette moved the order of the day; upon this question the Chamber divided, when there appeared -for it 168; against it 179-Majority 11. The next day an order of the day motivé was moved. This motion, however, was negatived, 206 to 156, and the subject remained for further discussion.

> Some recent elections in England, for vacancies in the House of Commons, appear to have resulted unfavorably to Ministers-whose stability, or at any rate popularity, seems to be somewhat shaken.

> First Proclamation of the Irish Government under the New Bill .- DUBLIN, SUNDAY, APRIL 7 .- The following proclamation extending the provisions of the Bill to the county and city of Kilkenny, appeared in the Dublin Gazette. It is stated that a proclamation will appear early in the present week, prohibiting the meetings of the Volunteers, the Conservatives, and the Trades' Union :-

By the Lord Lieutenant and Council of Ireland, a Proclamation.

Anglesey.—Whereas by an Act passed in the third year of his present Majesty's reign, intituled An Act for the more effectual Suppression of local Disturbances and dangerous Associations in Ireland. it is amongst other things enacted that it shall and may be lawful for the Lord Lieutenant and other Chief Governor or Governors of Ireland, advice of His Majesty's Privy Council in Ireland, at any time after the passing of the said Act, and from time to time during the continuance thereof, as occasion may require, to issue his or their proclamation, declaring any county, county of a city, or county of a town in Ireland, or any portion thereof, respectively, to be in such a state of disturbance and insubordination as to require the application of the provisions of the said Act.

Now we, the Lord Lieutenant, do, by this our Proclamation, in pursuance and execution of the said Act, and by and with the advice of His Majesty's Privy Council in Ireland, declare the County of Kilkenny, the county of the city of Kilkenny, the city of Kilkenny, and the liberties of the said city, to be in such a state of disturbance and insubordination as to require the application of the provisions of the said

And we do, by this our Proclamation, warn the inhabitants of the said county of Kilkenny, the city the county of Kilkenny, the city of Kilkenny, and the liberties of the said city, to abstain from all seditious and other unlawful assemblages, processions, confederacies, meetings, and associations, and to be and remain in their respective habitations at all hours be-tween sunset and sunrise, from and after Wednesday the tenth day of April instant, of which all Justices of the Peace of the said county, and county of a city, constables, peace officers, and others whom it may concern, are to take notice

Given at the Council Chamber in Dublin, this 6th day of April, 1833.

, 1833.
Rosse, Wm. M'Mahon, Wm. Saurin,
John Radcliffe, John Doherty,
F. Blackburne, R. H. Vivian.
"God save the King."

Paris, April 9 .- Our accounts from Constantinople continue to be vague and unsatisfactory, and beyond the confirmation of Ibrahim's disavowal of the occupation of Smyrns, there is no new fact in the ne

be immediately commissioned to act as members of the Courts Martial, to be held under the Coercion Bill. They are not to belong to any regiment doing duty in Ireland.—[Dublin Times.]

SUMMARY.

Custom House in Albany .- A branch of the New York Custom House is soon to be established in Albany William Seymour, Esq. has received the appointment of Collector.

TEMPERANCE IN ALBANY .- The Temperance Recorder says:

By a unanimous vote of the corporation of the city of Albany, on the evening of the 26th of April, it was determined that no license should be granted for retailing ardent spirits, to be drank in stores or groceries the coming year.

Bunker Hill Monument .- We learn that a gentle man of this city has proposed to the Government of the Mechanic Association, to give \$5000 towards completing the Bunker Hill Monument, provided hat \$50,000 shall be raised within three months, to finish the Monument agreeably to the original design. The offer has been accepted by the Association, and the members have undertaken to raise the requ sum by subscription. It is stated that to this \$5000, \$10,000 have been added, and that the whole \$50, 000 will in all probability be raised within the given time.-[Boston Centinel.]

Aurora Borealis .--One of those wonderful exhibibitions of nature in which the heavens are decked in robes of splendor, and which men behold with awe and admiration, was visible for some time about nine o'clock last evening. Unlike that luminous and majestic arch which was seen to span the sky on a simi lar occasion a few years since, the light in this in-stance flashed along the northern and western horizon in brilliant and successive undulations. It seem-ed as though the banners of the upper sanctuary, in folds of living silver light, were let down, and waving and trembling in the breeze. (!)-[Troy Press.]

Aurora Borealis .- Yesterday evening the beautiful phenomenon of the Aurora was seen, at this city, shooting in beautiful corruscations, and enlightening the northern part of the heavens, while the southern was enveloped in darkness. The rays ascended to an altitude of forty five degrees, and, after playing for the space of about ten minutes, merged into a steady light, resembling that which immediately precedes the rising of the sun, and continued to shine in the north for some time afterwards.—[Wash. Tel.]

The Philadelphia United States Gazette remarks, that a brilliant aurora was visible there, too, on Friday evening. We have not heard that it was seen in this eity.

[From the National Intelligencer.]
GEORGIA CONVENTION.—On Thursday the 9th inst.
the Convention resolved itself into a committee of the whole, and the report of the committee of 27 was taken into consideration. Thursday, Friday, and Sa. turday, were consumed in speeches, and in the dis-cussion of various propositions for the organization of the Senate and House of Representatives of the General Assembly. Judging from what had taken place, it seems to be the opinion that the Senate will be considerably reduced, if not the House. But the great point of contention is the basis of representation. Sectional feelings and interest. Sectional feelings and interests had prevailed, so far, in the debate. A large number of the Dele gates, especially those of the northwestern coun gates, especially those of the northwestern counties, advocate the white population alone as the basis of representation, while the middle counties contend for the present basis of representation, which is the Federal, as established in the Constitution of Georgia, and in that of the United States. The Delegates of the lower counties contend for territorial representation, and appear willing to unite with those who will offer them advantages in the General Assembly which, on account of the sparseness of the population of those counties, they cannot possess, unless territory is represented in one of the other branch of the Legislature. On Saturday the main question at issue was tested, in committee of the whole, and decided in favor of white population as a basis for representation, but it was thought, when the subject would come be-

give further disasters by the late flood.

The docks and piers at Albany were above water. and business in a measure resumed. No particular account had been received as to the extent of damage to the canal, but it was believed that in a week it would be navigable. At Pulaski, considerable damage had been done. Lands had been overflown bridges had been carried away, &c. At Cansjoharie H. St. John had part of his distillery carried off, and much other property was destroyed. And we find that Lyons, New Berlin, &c. had suffered from the sad effects of the flood.

[From the Mohawk Gazette of Wednesday.] FRESHET.—The streams in this vicinity have b raised to an unusual height by the late rains. We understand that the creek which runs near Fort Johnson, has been swollen to such a height th has carried away nearly every bridge and mill-dam on it. Among the dams swept away we understand is the one at Fort Johnson.

The Auries creek, we also learn, has been so high that it has carried away thirty feet of the canal dam, near the village of Auriesville, and has occasioned a breach in the canal that it will probably take some days to repair.

The floods occasioned by the recent rains are no onfined to the Hudson and its tributaries. The Con necticut, we hear, had swollen greatly above high water mark, and, by the extract below, from a Harrisburg paper, it appears that the Susquehanna, too, was rolling down angry torrents.

[From the Harrisburg, (Pa.) Intelligencer, Tuesday.]
The Floop.—After some weeks of warm dry
weather, in which the Susquehanna became so low opposite this place, that droves of cattle forded the river, we have had a series of successive showers which have continued for nearly a week; and the

change in vegetation is almost unparalelled.

When our paper went to press the Susquehanna had reached the heighth of 16 feet above low water mark, and was still rising. The oldest inhabitants say that the rise is greater than has taken place for thirty years—higher than the great flood 16 years ago. The rain must have been much more powerful up the river than in this vicinity. There must be a great destruction of property—the river is full of a great destruction of property—the river is full of floating timber—sometimes whole rafts pass swiftly by.

B. B. THATCHER, Esq. the author of "Lives of the indians, " and favorably known as a gentleman of high literary attainments, has assumed the editorship of the Boston Mercantile Advertiser.

[From the Albany Evening Journal, May 18.]
The proprietors of the Evening Journal are called upon to discharge a painful duty, in recording the death of their estimable partner and friend, Mr. Benjamin D. Packard, who, after a protracted illness, expired at 9 o'clock this morning, in the 54th year of

Mr. Packard was one of the oldest and most re spectable citizens of Albany. He occupied the building in which this paper is published, as a Bookseller, for thirty years. His affection for his family, and his devotion to business, absorded and occupied his whole attention and time, After faithfully and honestly discharging all the duties which humanity imposed, he balanced and closed his worldly ledger, and has gone to render his last and final acco

Ice.—The Bostonians are about sending a cargo of ice to Calcutta, in the ship Tuscany. The Lowell Journal says "it is compactly stowed in the lower hold, surrounded with tan, which is well known to be a non-conductor of heat, and great care has been taken to exclude the external air. If this cargo should arrive there safe, it would doubtless command

the contest in the East. Although it is said here that the government has received news of a favorable nature, the great features of the question remain unchanged in all the intelligence which has reached us through various channels.

The Floop.—The Albany papers of Tuesday Forty-four officers, from the half pay list, are to give further disasters by the late flood.

COMPORTABLE INDIFFERENCES. -The New Orles

COMFORTABLE INDIFFERENCES.—The New Orleans Courier of the 1st instant, says:

Seven or eight northern mails arrived to-day; by which we got a lot of old papers from the cities whence new were expected. The post office officers had not undertaken to open all the bags, as it is a most arduous task; so that we do not know whother the New York dates of the 12th, and Charleston of the 19th, which we lately received by way of Cincinnati, are more recent than those expected by this day's mail. Probably we shall be enabled to ascertain the fact to morrow. It is, however, of little or no tain the fact to-morrow. It is, however, of little or no consequence.

Life Assurances.—For the information of those who may wish to provide for their families at a very small rate, and who have not the means of rendering them any adequate assistance at their death, by will or inheritance, the following case (which occurred in this city within a few months past, and which is but partially known) is now made public.

A merchant well advanced in life, and who for more than forty years had been successful in business, more than forty years had been successful in business, became unfortunate. His family was large, and so far as his means extended, must necessarily have been left destitute in the event of his speedy dissolution, which, however, was not, at that time, even probable. He, notwithstanding, it seems, was fully sensible of the uncertain tenure of Life, and caused his to be insured in the latter part of November, at the Baltimore Life Insuance Company, in the sum of \$10,000. He died in the middle of February ensuing, within eleven weeks from the date of the policy. ing, within eleven weeks from the date of the policy, and his widow has received the whole sum without and his whole whole sum without any trouble or expense, and before the period provided for the payment thereof had expired. This provident act has rendered his family not only comfortable, but, with prudence, independent; and they have abundant cause to bless the day when a resolution so happy in its consequences was formed and acted on. [National Intelligencer.]

Manufacture and Consumption of Ardent Spirits.

—The quantity of gallons of proof spirits distilled in England, in 1832, is stated to be 3,788,068; in Scotland, 7,979,038; and in Ireland, 9,260,920; makin a total of 21,028,026 gallons. The quantity upo which the duties were paid for home consumption were, for England, 7,259,287 gallons; for Scotland 4,861,515 gallons; for Ireland, 8,657,756 gallons.

The Sulky and the Sociable.—A gentleman and his wife were reduced from a life of splendor and luxury, by unavoidable misfortunes, to a more moderate way of living. He had been since their misfortunes extremely morose and gloomy, and it was a lively reply of his affectionate wife, that caused a change. "Wife," said he one morning, "my affairs are embarrassed, and it is necessary I should cartail my expenses. I should like to have your opinion as to the reduction." He spoke this in a more gentle tone than usual. 'My dear husband,' said she, 'I shall be perfectly happy if you will get rid of the sulky, a let us retain the sociable.'

We learn that the cargo of the brig Orb, lost on the Triangles, (Gulf of Moxico) on the 14th April, was worth about fifty thousand dollars. It was in-sured in this city. Vessel insured in Baltimore. sured in this city. Vo [Journal of Commerce]

Old Berks Forever.—The wife of Mr. Peter D. Miller, in Upper Bern township, Berks county, was safely delivered of three sons at one birth, who, with the mother, are all doing well.

Mr. Audubon, says the Boston Patriot, in a letter addressed to a gentleman in this city, dated Eastport, May 9th, observes, that he has concluded to charter hay 5th, observes, that he has concluded to charter a schooler of some 50 or 60 tons, for his voyage, in the following direction:—From Eastport to Sable Island, thence to Newfoundland, and all around it— thence to the coast of Labrador, and up towards Hudson's Bay, as far as the season will acmit."

On Monday last, while several persons were at work in the marble quarry of John Broke, near Norristown, Pa. one of the banks fell in, and instantly killed one of the workmen—another died a short time after he was taken out, and a third and fourth were seriously injured. On the same day, in Plymouth township, in making a blast in a lime stone quarry, a stone weighing about 240 pounds, fell upon the roof of a neighboring house, and passed down the whole building to the lower floor, where the family were eating breakfast. No person was injured. No person ere eating breakfast.

Mr. Secretary Woodbury arrived in Pensacola on 27th April, and remained there till the 30th, examining the Navy Yard, the Live Oak plantations, the fortifications, and, (as he states in a letter to the citizens declining a public dinner,) "the various improvements, contemplated in connection with Penacola, as a healthy and important Naval Station for our West India Squadron, and for the whole Gulph of Mexico, as well as for the special protection of the growing commerce of Mobile Bay and the vast trade of the Mississippi River."

PENSACCLA, MAY 2d.—The U.S. Schooner SHARK, md'ng Boerum arrived in our harbour on the The Shark has been absent from this place near five months, and has cruised around the Gulf of lexico, the North side of Cuba around the windward Islands and along the whole coasts of Venezuella, New-Grenada and Central America. She is last from Porto Bello in ten days. Her Officers and Crew are all well.

[From the Baltimore American.]
We learn that —, Saunders, Esq. of Carolina, has been appointed Commissioner under the French Treaty of Indemnity, vice — Williams resigned.
We also learn that Daniel Brent, Esq. Chief

Clerk of the Department of State, has been apped Cousul General of France, to reside at Paris.

Mr. Saunders is we presume the former member of Congress of that name from North Carolina.

Mr. Brent's appointment is to the place occupied by the late J. Cox Barnet.

APPROPRIATIONS .- The appropriations made at the last session of Congress, were briefly as follows :

PATENTS .- The number of patents granted for 'use ful inventions' in 1832, was 474, viz. to persons in

Maine 24	Georgia 4
New Hampshire 11	Kentucky 7
Massachusetts 56	Tennessee 7
Rhode Island 4	Ohio54
Connecticut 29	Louisiana 1
Vermont 14	Indiana 4
New York	Mississippi 3
New Jersey 8	Alabama 2
Pennsylvania 82	Missouri 1
Maryland 12	Michigan Territory 2
Virginia 11	District of Columbia 7
North Carolina 5	THE RESERVE THE PARTY OF THE PA
North Carolina 5 South Cajolina 4	Total
The party of the p	

The Mayor and Aldermen of Boston were arraigned at the bar of the Municipal Court, recently, up on an indictment found against them by the Grand Jury, for a false return of votes in April last. They severally pleaded not guilty. Their trial was assigned for Monday next, and they were discharged on their recognizance of \$200 each.

Discovery.—Among the late new publications in Paris, we find one with the following title: "Grammaire Conjugale" (Conjugal Grammar) or general principles by the aid of which a wife may be broken in, and made to go with the regularity of a clock, and der her at the same time as mild as a lamb

The journeymen carpenters have turned out, and demand \$1 50 wages per day. The present pay is \$1 37 1.2. They paraded the streets yesterday, to the number of between 3 and 400-very peaceably

at Accidents .--The Steam Boat Spy wa snagged in descending the Arkansas, twenty-five miles below Fort Gibson, and the last accounts she lay with the water up to her guards. On the night of the 7th ult.; the Steam Boats Wyoming and Arkansaw came in contact in the Arkansas, and the former onsiderably damaged .- [Louisville Gazette.]

Health of New Oaleans.—The New Orleans Courier of 30th ult. has this paragraph.

We are not alarmists, nor would we wantonly instil chimerical fears into the minds of our fellowcitizens. But we believe it to be sound policy, and conceive it our duty, to inform them of the actual situation of the health of the city. It would be ridiculous to deny, the fear wanted was posset the presence of deaths have at for some days past, the number of deaths has

been increasing, and that the greater part expired after a very few hours sickness; to speak plainly, they died of the merciless cholera; or, if we mistake the character of that dire disease, the prevailing one is, at least, as fatal in its effects; and although, hitherto, the number of victims may be deemed inconsiderable, we nevertheless are of opinion that our constituted authorities should inquire into the state of the public health, and adopt such measures as might tend to prevent further mischief.

[From the Boston Transcript.] a letter which passed through our Post office, yester-day, on its way to Canada, and will no doubt be duly. eived, provided John gives the credit asked for

To Uncle Som gives the credit ass Eighteen and three-fourths cents I've paid To Uncle Sam, to be conveyed To Derby Line, without delay, Betwixt Vermont and Canada; From Derby Line, if John Bull will Carry me safely to Georgeville, Four and a haif pence will I engage He shall receive from Gorham Page; And if said Page will not comply, I'll stay in Georgeville until I die.

MISCELLANY.

[From the Western Monthly Magazine for May.] A SCENE IN 'THE DARK AND BLOODY GROUND.

James Morgan, a native of Maryland, married at an early age, and soon after settled himself near Bryant's station, in the wilds of Kentucky. Like most pioneers of the west, he had cut down the cane, built a cabin, deadened the timber, enclosed a field with a

worm-fence, and planted some corn. It was on the 15th day of August, 1782; the sun had descended, a pleasant breeze was playing through the surrounding wood, the tall cane bowed under its gentle influence, and the broad green leaves of the corn proudly waved in the air; Morgan had seated himself in the door of the cabin, with his infant on his knee; his young and happy wife had laid aside her spinning-wheel, and was busily engaged in preparing the frugal meal. That afternoon, Morgan had accidentally found a bundle of letters, which he had fin-ished reading to his wife, before he took his seat at the doer. It was a correspondence in which they had acknowledged an early and ardent attachment for each other, and the perusal left evident traces of joy on the countenance of both; the little infant, too, seemed to partake of its parents' feelings, by its cheits playful humor, and its infantile cares ses. While thus agreeably employed, the report of a rifle was heard; another, and another, followed in quick succession. Morgan sprang to his feet, his wife ran to the door, as they simultaneously exclaimed, 'Indians?' The door was immediately barred, and the next moment all their fears were realized, by a bold and spirited attack from a small party of Indi The cabin could not be successfully defended, and time was precious. Morgan, cool, brave, and prompt, soon decided. A puncheon was raised; while Morgan was in the act of concealing his wife under the floor, a mother's feelings overcame her, she arose, seized her infant, but was told that its cries would betray her place of concealment. She hesitawould be tay her place of conceanment. Since he streed, gazed silently upon it. A momentary struggle between affection and duty took place. She once more pressed her child to her agitated bosom, again, and again, and kissed it with impassioned tenderness. The infant, alarmed at the profusion of tears that fell upon its cheek, look-ed up in its mother's face, threw its little arms around her neck, and wept aloud. 'In the name of Heaven, Eliza, release the child, or we shall all be lost,' said the distracted husband, in a soft imploring tone of voice, as he forced the infant from the arms of his wife, hastily replaced the puncheon, took his gun, knife and hatchet, ran up the ladder that led to the garret, and drew it after him. In a moment the door was burst open, and the savages en-tered. By this time Morgan had secured his child in a bag, and lashed it to his back, then throwing off some clapboards from the roof of the cabin, resolutely leaped to the ground. He was instantly as-

were better simed and deeper. The Indian now be-came frantic with rage and disappointment. His teeth were clenched together, the voins in his neck swollen, his eyes seemed to emit sparks of fire, as he grasped Morgan by the hair, elevated himself on tip toe, and raised his bloody knife. It descended with a desperate intent, but Morgan, watchful as he with a desperate intent, but Morgan, watchin as ne was brave, took advantage of the moment, made a quick and violent thrust at the side of the Indian—the blood gushed out, the savage gave a feeble groan, and sunk to the earth. Morgan hastily took up his child and gun, and hurried off. The Indians in the house, busily engaged in drinking and plundering, were not apprized of the contest in the yard, until the one that had been knocked down gave signs of returning life, and called them to the scene of action. turning life, and called them to the scene of actio Morgan was discovered, immediately pursued, and a dog put on his trail. Operated upon by all the feelings of a husband and a father, he moved onward with the speed of a hunted stag, and soon outstripped the Indians, but the dog kept in close pursuit.— Finding it impossible either to outrun or elude the cunning animal, trained to hunts of this kind, halted, waited until it came within a few yards of him, fired and brought it down, reloaded his gun, and again pushed forward. Bryant's station was not far off-firing was heard-he stopped for a moment, and again advanced. Fires could now be distinctly seen, extending for some distance on both sides of Elkhorn creek. The station was in view; lighted arrows fast descending on the roof or the cabins; it was no longer doubtful; Bryant's station was besieged by a large force, and could not be entered at that time. He paused—the cries of his infant, that he had again lashed to his back, aroused him to a sense of his own danger, and his wife's perilous situation. Another effort was made, and he in a short time, reached the house of a brother, who resided between the station and Lexington, where he left the child, and the two brothers immediately set out for his dwelling. As they approached the clearout for his dwelling. As they approached the clearing, a light broke upon his view—his speed quickened, his fears increased, and the most agonizing apprehensions crowded upon his mind. He emerged
from the cane-orake, beheld his house in flames,
and almost burned to the ground. 'My wife!' he exclaimed, as he pressed one hand to his forehead, and grasped the fence with the other, to support his tottering frame. He gazed for sometime on the ruin and desolation before him, advanced a few steps, and sunk exhausted to the earth. Morning came the bright luminary of heaven arose, and still found him seated near the almost expiring embers. In his right hand, he held a small stick, with which he was tracing the name of Elizs on the ground-his left was thrown over his favorite dog, that lay by his side, looking first on the ruin, and then on his master, looking first on the ruin, and then on his master, with evident signs of grief. Morgan arose; the two brothers now made a search, and found some bones, almost burned to ashes, which they carefully gathered and silently consigned to their mother earth, beneath the wide spread branches of a venerable oak consecrated by the purest and holiest recollections. One of the most interesting pages in the an-nals of Tacitus is that in which he so eloquently and so feelingly describes the return of Agrippina, to her country and her home, bearing the urn that contained the ashes of her murdered husband, surrounded by her weeping children and mourning friends. There is an awakening interest in the deep-rooted sorrow, that calls into action all the kind feelings and tender sympathies of our nature; and the heart can, no doubt, be as warmly operated upon in the wild plains of America as on the classic grounds of Italy. There is something peculiarly touching in the performance of the last sad duty of burial, whether encompassed of the last sad duty of burial, whether encompassed by the proud and lofty towers of Imperial Rome, while the cries of mourning thousands ascend to heaven, or surrounded by the tall green trees of republican Kentucky, where the stricken heart silently pours forth its sorrows.

On the evening of the 16th of August, Morgan, his brother, and a number of men from Lexington gallantly threw themselves into the besieged station and saved the fortress. After a bold, spirited, and lutely leaped to the ground. He was instantly as sailed by two Indians. As the first approached, he knocked him down with the butt of his gun. The other advanced with uplifted tomahawk; Morgan let fall his gun, and closed in. The savage made a blow, missed his aim, but severed the cord that bound the infant to his back, and it fell. The contest over the child now became warm and fierce, and was carried on with knives only. The combatants thrust and plunged their deadly instruments into each other, with desperate fury. The robust and athletic Morgan at length got the ascendancy. Both were badly others, watchful and experienced, and well acquaintent, and bled freely, but the stabs of the white man

of tardiness and ostentation, that seemed to invite heroic father, who hewed his way through the enc-an attack. The trees were chopped for the purpose my, and laid every opposing warrior low. All that of pointing out the route, while they took pains to could be accomplished by patriotism, effected by braan attack. The trees were chopped for the purpose of pointing out the route, while they took pains to conceal the number, by marching in single file, stepping in each other's track, and contracting their camps. As the van arrived on the south bank of Licking river, at the Lower Blue Licks, a few scattering Indians were discovered, slowly and carelessly ng over the hills on the north side of the river A halt was immediately called, and a consultation took place. Neither of the commanding officers being much acquainted with Indian warfare, they asked the opinion and advice of the soldier and woodsman, colonel Boon, who was well acquainted with the situation of the ground. He, in his plain, frank, and immediately account to the situation of the ground. the situation of the ground. He, in his plain, trank, and impressive manner, stated, that in his opinion, the enemy invited an attack; their number might probably vary from three to five hundred, owing to the ambiguous nature of the sign; the main body was near, and prepared for action, and the ground was well calculated for ambuscade. The river wound in an irregular ellipsis, near the centre of which, and on the top of the hill then in view, passed the great Buffalo road, leading to Limestone; two ravines Buffalo road, leading to Limestone; two ravines made up in different directions, about one mile in advance, and terminated near each other, on the right and left of the road; both ravines were covered with small oak and underwood, while the ground between e river and ravines was uneven and barren; the Indians would be able to fight under cover, while the Kentuckians could scarce be protected by a single shrub. It was, therefore, most advisable to wait for the reinforcement hourly looked for, under the command of colonel Logan, and in the meantime command of colonel Logan, and in the meantime, the surrounding country could be examined, and the position of the enemy reconnoitered, but in the event of an immediate attack being resolved on, the troops ought to be divided; one division to march up on the south side of the river, cross the mouth of a small creek, and fall upon the outside of the ravines, while the other division should place itself in a position to take advantage of circumstances. co-operate with the first division in circumstances, co-operate with the first division in event of an attack, and make an effort to take the enemy in their own snares, should they be in ambusenemy in their own snares, should they be in ambus-cade. Already had Boon gained over to his opinion a large portion of those who heard him, when the rash and impatient M'Gay applied the rowels to the sides of his horse, and plunged into the stream, cry-ing out at the same time in a loud voice, "Those who are not cowards will follow me, and I will show them where the Indians are?" A confusion, so common where the Indians are!" A confusion, so common and so fatal among undisciplined troops, now took place. One followed, another followed, some doubted, others wavered, a few were determined, and a ed, others wavered, a rew were determined, and a part stood firm. But unfortunately, the prompt and authoritative word 'halt,' was not given, and the council was broken up. Morgan, together with some others, who had listened to the advice of Boon, were convinced of its correctness, and opposed to crossing the river, but at length suffered themselves to be carried along in the crowd until the whole force was carried along in the crowd, until the whole force was on the northern bank. No order was observed, no command was given. The narrow strip of bottom-ground, in which the salt-spring is situated was soon passed, and the hill ascended. Here they were led, by the re-appearance of the few Indians first discovered, to a ridge on the left, which terminated near the two ravines, and at its termination, was covered with small oak. The distance from the spring to the ravines was about one mile, and the intervening ground uneven and barren; for ages back it had been stripped of its foliage by the tread of the innumerable herds of deer and buffalo that resorted to the Lick, and presented an almost unbroken pavement of rocks, through which a few scattering scrubby oaks had here and there forced their way. M'Gay and M'Bride, at the head of the party in front, that first reached the woods, were instantly attacked by the Indians that lay concealed, and waiting for them. The action now commenced, and soon became warm and bloody. A constant and destructive fire was kept up. The savage war-whoop, that burst from both ravines, filled the air with loud and increased peals of discordant spring to the ravines was about one mile, and the the air with loud and increased peals of discordant yells. It was soon discovered that the two ravines, which concealed the enemy, extended beyond the whole line of the Kentuckians, and now poured forth accountless horde of hungry cannibals prepared for slaughter and thissting for blood. Todd and Trigg rushed forward, and fearlessly fronted the enemy; they fought, they bled, and fell in the early part of rushed forward, and fearlessly fronted the enemy; they fought, they blet, and fell in the early part of the feld of battle, as amiable in private life. The patriot Harland was also slain, bravely defending himself, and proudly sustaining his country's honor. The gallant and youthful Boon fell by the side of his

very, won by a disregard of death, or gained by a love of country, was now performed. Arm to arm, breast to breast, they had struggled with the enemy, but all in vain. A force of three to five, and that in ambuscade, was overwhelming and irresistible. Pressed in the front and assaulted on the right, attacked on the left, and about being surround-ed, many of the best and ablest slain, and others fast falling in every direction, a retreat was attempted under the edge of the tomahawk. When the firing commenced, the greater portion of the troops had dismounted; some regained their horses, others retreat ed on foot. The victorious enemy pursued with deadly and victorious perseverance. The retreating deadly and victorious perseverance. The retreating Kentuckians hurried over the rocks, rushed down, and the victors and the vanquished plunged together in the stream; some were slain before they reached the bank, but the river presented a scene bloody as it was destructive. The day was warm, the retreat rapid; the unarmed and exhausted Kentuckians fell easy victims to the tomahawk and scalping knife, and in a short time Licking ran streams of blood. The few who had gained the southern shore on horseback, halted and fired: this caused a momentary check, but after a short pause, the pursuit was again renewed, and safety only found in Bryant's station, thirtysix miles from the field of battle. Here the defeated Kentuckians met the van of Col. Logan's command, about four hundred strong. The Colonel halted until the rear came up, and the next day marched in pursuit of the enemy. The battle ground was reached the second day after the action, and presented a scene that agonized every bosom, pained every heart, and moistened every eye. The dead bodies, exposed to the rays of a scorching sun, were so much swollen and mangled, that the father, brother and friend, who had come to perform the last sad rites of burial, were denied even the melancholy satisfaction of knowing whether those for whom they sought were killed or taken prisoners. The aged parent, in hope of recognizing a favorite son, turned, anx-iously turned, body after body, but all in vain; the tear rolled down the furrowed cheek, yet it fell upon he knew not whom.

James Morgan was among the last that had cross ed the river, and was in the rear until the hill was ascended. As soon as he beheld the Indians reappear on the ridge, he felt anew his wrongs, and recollected the lovely object of his early affections He urged on his horse, and pressed to the front He urged on his horse, and pressed to the front. While in the act of leaping from his saddle, he received a rifle ball in his thigh, and he fell: an Indian sprang upon him, seized him by the hair, and applied the scalping-knife. At this moment, Morgan cast up his eyes, and recognized the handkerchief that bound the head of the savage, and which he knew to be his wife's. This added renewed strength to his body, and increased activity to his fury. He to his body, and increased activity to his fury. to his body, and increased activity to his lary, quickly threw his left arm around the Indian, and with a death-like grasp, hugged him to his bosom, plunged his knife into his side, and he expired in his arms. Releasing himself from the savage, Morgan crawled under a small oak, on an elevated piece of ground, a short distance from him. The scene of ground, a short distance from him. The scene of action shifted, and he remained undiscovered and or action shirted, and he remained undiscovered and unscalped, an anxious spectator of the battle. It was now midnight. Girty and his savage band, after taking all the scalps they could find, left the battle ground. Morgan was seated at the foot of the oak, its trunk supporting his head. The rugged and uneven ground that surrounded him was covered with the alers, the once white projecting rocks, bleached the slain; the once white projecting rocks, bleached with the rain and sun of centuries, were crimsoned with the blood that had warmed the heart and animated the bosom of the patriot and the soldier. But a few hours before, he had seen the gallant Todd, Trigg, Harland, Boon, and many others, in all the pride of life, flushing with hope, glowing with zeal, and burning with patriotism—now lifeless, as the rocks that lay scattered over 'the dark and bloody ground;' friends and enemies, the red and the white man, side by side, quietly slumbering in eternal repose. The pale glimmering of the moon occasionally threw a faint ray of light upon the mangled bodies of the dead, then a passing cloud enveloped all in darkness, and gave additional horror to the feeble cries of a few, still lingering in the last agonies of protracted death, rendered mated the bosom of the patriot and the soldier. Rut

looking bear, covered with blood, now approached him; he threw himself upon the ground, silently commended his soul to Heaven, and in breathless anxiety awaited his fate. The satisted animal slowly passed on without noticing him. Morgan raised his head, was about offering thanks for his unexpected head, was about offering thanks for his unexpected preservation, when the cry of a pack of wolves opened upon him, and again awakened him to a sense of his danger. He placed his hands over his eyes, fell on his face, and in silent agony again awaited his fate. He heard a rustling in the bushes—steps approached—a cold chill ran over him. Imagination, creative, busy imagination, was actively employed—death, horrible death, awaited him; his limbs would, in all probability, be torn from his body, and he devoured alive. He felt a touch—the vital spark was almost extinguished—another touch more violent than the extinguished-another touch more violent than the first, and he was turned over-the cold sweat ran down in torrents-his hands were violently forced down in torrents—his hands were violently locked from his face—the moon passed from under a cloud, a faint ray beamed upon him—his eyes involuntarily opened, and he beheld his wife, who, in a scarce audible voice, exclaimed, 'my husband!' and fell upon his bosom.

Morgan now learned from his wife that, after the Indians had entered the house, they found some spirits, and drank freely; an altercation soon took place, one of them received a mortal stab and fell; his blood ran through the floor on her; believing it to be the blood of her husband, she shricked aloud, trayed her place of concealment. She was immediately taken and bound. The party, after setting fire to the house, preceeded to Bryant's station. On the day of the battle of the Blue Licks, a horse with saddle and bridle rushed by her, which she knew to be her husband's. During the action the prisoners were left unguarded, made their escape, and lay concealed beneath some bushes under the bank of the river. After the Indians had returned from the pursuit, and left the battle-ground, she, with some other persons that had escaped with her, determined to made a search for their friends, and if on the field and living, save them if possible from the beasts of prey. After searching for some time, and almost despairing of success, she fortunately discovered him. The party of Col. Logan found Morgan and his wife, and restored them to their friends, their infant, and their home.

Mason County, Kentucky. trayed her place of concealment. She was immedi-

Mason County, Kentucky.

POETRY.

[The following pathetic plece is copied here from the Alexan tion of a single verse, the indifferent struction of which mars the simple beauty of the others:]
"ARE WE ALMOST THERE ?"

"ARE WE ALMOST THERE!"

"Are we almost there—are we almost there?"
Said a dying girl, as she drew near home—
"Are those our poplar trees which rear
Their forms so high 'gainst the heavens' hlue dome?
Then she talked of her flowers, and thought of the we
Where the cool water splash'd o'er the large white stor
And she thought it would southe like a fairy spell.
Could she drink from that fount when the fever was or

Could she drink from that fount when the fever was of While yet so young, and her bloom grew less, They had borne her away to a kindlier clime—For she would not tell that 'twas only distress Which had gathered life's rose in its sweet spring-tim And she had looked, when they bade her to look, At many a ruin and many a shrine—At the sculptured niche, and the pictured nook, And marked from high places the sun's decline.

And marked from high places the sun's decline. But in secret she sighed for a quiet spot, Where she oft had played in childhood's hour; Tho' shrub or flowret marked it not, "Twas dearer to her than the gayest bower. And oft did she ask, "Are we almost there?" But her voice grew faint, and her flush'd cheek pale And they strove to 600the her, with useless care, As her sighs would escape on the evening gale.

Then swiftly more swiftly, they hurried her on: But anxious hearts felt a chill despair; For when the light of that eye was gone, And the quick pulse stopp'd, she was almost th

IMOGENE.

PATERNAL AFFECTION-By Barry Cornwall. lings of a parent, regarding a child in das

beautifully expressed in the following stanzas:
Send down thy winged Angel, God!
Amidst this night so wild,
And bid him come where now we watch,
And breathe upon our child.
She lies upon her pillow, pale,
And moans within her sleep,
Or waketh with a patient surin,
And striveth set to weep.
How sentle and how reach a child.

How gentle and how good a child
She is we know too well,
And dearer to her parents' hearts
Than our weak words can tell.
We love—we watch throughout the night,
To aid, when need may be,
We hope—and have despaired at times,
But age we turn to Thee;

METEOROLOGICAL RECORD, KEPT IN THE CITY OF NEW-YORK,

For the Week ending Monday, May 20, 1833, inclusive.

Date.		Hour.	Thermometer.	Berometer.	Winds.	Strength of Wind.	Clouds from what direction.	Weather and Remarks.		Average temperature of the week, 65°.54. N. B.—During the early part of the current week all our great rivers and their tributary streams. N. B.—During the early part of the current week all our great rivers and their tributary streams are preadly swollen by the heavy rains which succeeded the late drought. The Connection rose 20 feet at Hartford, and the Ohitario, the Susquehannah, the Hudson, and the Mohawk, as well as well as the rivers which discharge into Lake Ohitario, have all risen to an extraordinary height, and ment highly has been sustained. It is worthy of remark, that the barometer has stood manch above its men elevation during the period of these rains, and for a considerable time previous thereto, having ranged from 30 inches to 30, 23, except on the occurrence of the first showers, when it subsided only to 32, 98 and soon recovered its altitude. This fact shows conclusively that the production of rain has no necessary connection with the fall of the Mercury in the barometer.
Tuesdy. May	14	6 a. m.	63	30·08 30·11	SE	light	8	rainy	A BANE	trib Mod nood nood nood nood nood nood nood n
CONTROL PROPERTY.	100	10	68 73	30.11	s by E			cloudy	- 1	rivers and their tr the late drought. Hudson, and the Men to no extraordi arometer has stood rable time previour st showers, when sively that the pre
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la valuabilie	1	6	65	30.03	BSE		SE	fair		are phase
WINDS NO. 917	5	10	63	30.04	107	Mar	Annual Control			the minerage
Wednesd. "	15		65	30.00			Dirty July	rainy	1 man	ly ho the
	W	10	68	30.03	N	***	· >			lucino de la composición del composición de la composición de la composición de la composición del composición de la com
in device	9	2 p. m.	72	30.07	NNE		{ NNE }	cloudy		which succeeded the late isquelanmah, the Hudson, ntario, have all risen to an arearsh, that the baronneter and for a considerable time surrence of the first show of a conclusively the Macouver in the haronneter.
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BENEFA STATE	7.1	10	66	30·12 30·18				cloudy		C To at e the
Thursday, "	16	6 a. m.	59	30 · 18	NE	fresh				a saves
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WE DES TUR	67	2 p. m.	58	30. 15		strong	NNW	rainy	458	sher fear is she she
		6	52	30.15	1144			rain	100	fet und men tage
Publisher 6	17	10	53 55	30.11		light	EL STAN	ram		W Coo
Friday, "	14	6 a. m.	61	30·06 30·05	••		*	alandu	1000	rrains the Sulfake O rthy of rains, the occurrence of the occurrence of the occurrence of the occurrence of the occurrence occurrenc
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		10	61	30.00	***			cloudy		fe. c
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Saturday,	10	10	66	29.98	••	moderate	WOW			this of the feet
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THE PERSON IN	M	6 P. III.	79	29.85	1 11 1		NW			by by by it
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Sunday, "	19		70	129 851	sw	light	wsw	1		te 3 3 a se con le con
rate visions, t	50	10	76	29·87 29·86	sw by w	moderate		horizon	mostly	of the same
sationa'the	0	2 p. m.	82	29.86	wsw				feloudy	he sy sy series
organic ti d		6	76	29.88			{ wsw }		11116	Average temperature of the week, 65°. N. B.—During the early part of the cu have been greatly swollen by the heavy cut rose 20 feet at Hartford, and the Ohio, as well as the rivers which discharge into much highury has been sustained. It is wo mean elevation during the period of these ranged from 30 inches to 30.23, except on to 29.89 and soon recovered its altitude.
THE AMERICAN ST		10	72	29.90			("")			and
Monday, "	20		68	29·90 29·93	NE-ENE		wsw	—cloudy		TO TO THE ED
7,		10	64	29.99	ENE-E	1		cloudy		Average N. B.—I. have been cut rose 20 as well as t much injur mean eleva ranged fron to 29.89 an
(St. 70) = 11 =	613	2 p. m.	62	29·99 29·95	E			-rain		So de line bar
	1	6	60	29.95				rain		Ave N. N. nave cut ro as we much mean range to 29.
ment although	10	58	29.93	far.	1		rainy		o and a series	

QUINEBAUG BANK.

QUINEBAUG BANK.

12 The Commissioners appointed to receive subscriptions to the Capital Stock of the Quinebaug Bank, will open the books for that purpose, at Clark's Hotel, in the city of Norwich, on Weduseday the 29th day of May, at 9 o'clock, A. M. Atthe time of subscribing, an instalment of ten deliars will be required to be paid, in gold or silver, or in bank notes of any bank in the state of Connecticut, or of the Bank of the United States, or of any of the banks in the cities of New-York or DENNIS KIMBERLY,

EBEN. JACKSON, Jr.

J. G. W. TRUMBULL,

JEDEDIAH HUNTINGTON,

SAMUEL INGHAM,

Norwich, Conn. April 21, 1833.

m18 2t

TO DIRECTORS OF RAILWAY COMPA NIES AND OTHER WORKS.

TO An Engineer lately from England, where he has been em-ployed in the location and execution of the principal railways in that country, wishes to engage with some company in the United States.

United States.
From his practical knowledge of the various kinds of motive power, both of stationary and locomotive engines, also the construction of railway carriages of many descriptions, he has no deubt that he would prove of efficient service to any company having works now in process.
Letters addressed to W. E. G. 35 Wall street, or to the care of Wm. & F. Jacques, 90 South street, will be punctually attanted to. Most satisfactory reference can be given.

GRACIE, PRIME & CO., offer for sale, at 22 d street-

Proad street—

2 cases Gum Arabic
29 do, Danish Smalts, EFFF
10 do. Saxon do. do.
100 bags Saltpotra
2 do Gall Nuts; 30 tons Old Lead
100 do, Triesta Rags, FF
6 boxee each 50 bs. Tartsric Acid
6 do, each 25 bs. do. do.
1 case 50 boxeles Syrop de Vinaigre
10 cases White Hermitage; 20 do, Cotie Rotie
10 do. Dry St. Peray: 50 do. Bortleaux Grave
20 do Chatcau Grille; 5 cases each 12 bottles Olives in Oil
8 bales Fine Velvet Bottle Corks
DRY GOODS BY THE PACKAGE.
10 cases light and dank ground Prints

DRY GOODS BY THE PACKAGE.

10 cases light and dark ground Prints
40 do. 3-4 and 6-4 colered and black Merinos
15 do. 5-5 colored and black Circassians
2 do. Silk Bandannas, black and colored
4 do. Italian Lustrings
3 do White Satteens
4 do. White Quiltings
10 do. Borrie's Patent Thread, No. 22 and 25
10 do. Buper high col'd Madras Hidkis, ent. to debenture
100 pieces Fine English Theotings, for city trade
3 cases Cantoon Cords
2 do. Super blue, black, and colored Cloths—selected expressly for Mershant Tailors
23 bales low priced poin Blankets.

PAPER—

PAPER—
IMPERIAL AND ROYAL—From the celebrated Saugerties
lills, of the following sizes, all put up with 490 perfect sheets

lis, of the following sizes, an party and the cash ream—
sach ream—
sizes—24x35. 214x36, 21x344, 25x36, 25x37, 29x41, 27x384, 233, 24x29, 24x38, 21x20, 21x27, 20x24, &c., &c.
Also—All the old stock of Medium will be sold at very reced pricec, to close sales, the Mill having discontinued many that description of paper.

SURVEYORS' INSTRUMENTS.

warranted.
Leveling Instruments, large and small sizes, with hich mag-nliying powers with glasses made by Troughton, together with a large assortment of Engineering Instruments, manufactured and sold by E. & G. W. BLUNT, 154 Water street, with glasses made by Troughton, together nent of Engineering Instruments, manufactured, E. & G. W. BLUNT, 154 Water street, corner of Maidenlane.

ENGINEERING AND SURVEYING INSTRUMENTS.

The subscriber manufactures all kinds of Instruments in his profession, warranted equal, if not superior, in principles of construction and workmanship to any imported or manufactured in the United States; several of which are entirely nete: among which are an Improved Compass, with a Telescope attached, by which angles can be taken with or without the use of the needle, with perfect accuracy—also, a Railroad Goniometer, with two Telescopes—and a Levelling Instrument, with a Goniometer attached, particularly adapted to Railroad purposes.

Mathematical Instrument Maker, No. 9 Dock street.

Mathematical Instrument Maker, No. 9 Dock street, Philadelphia.

The following recommendations are respectfully submitted o Engineers, Surveyors, and others interested.

to Engineers, Surveyors, and others interested.

Baltimore, 1832.

In reply to thy inquiries respecting the instruments manufactured by thee, now in use on the Baltimore and Ohio Rail-road. I theerfully furnish thee with the following information. The whole number of Levels now in possession of the department of construction of thy make is as von. The whole number of the "Improved Compass" is eight. These are all exclusive of the number in the service of the Engineer and Graduation Department.

clusive of the number in the service of the Lagran.

Both Levels and Compasses are in good repair. They have a fact needed but little repairs, except from acc dents to which all instruments of the kind are liable.

I have found that thy patterns for the levels and compasses have been preferred by my assistants generally, to any others in use, and the Improved Compass is superior to any other decription of Goodsometer that we have yet tried in laying the rails on the Road.

on this Road.

This instrument, more recently improved with a reversing telescope, in place of the vane sights, leaves the engineer scarcely any thing to desire in the formation or convenience of the Compass. It is indeed the most completely adapted to later all angles of any simple and cheave instrument that I have yet seen, and I cannot but believe it will be preferred to all others now in use for laying or rails—and in fact, when known, I think it will be as highly appreciated for common surveying.

Respectfully thy frend,

JAMES P. STABLER, Superintendant of Construction of Baltimore and Ohio Railroad.

Philladelphia. February, 1833.

Philadelphia, February, 1833.

Having for the last two years made constant use of Mr. Young's "Patent Improved Compass," I can safely say I be lieve it to be much superior to any other instrument of the kind, now in use, and as such most cheerfully recommend it to Engineers and Surveyors.

E. H. GILL, Civil Engineer.

Germantown, February, 1833.

For a year past I have used Instruments made by Mr. W. J.

Young, of 'hiladelphia, in which he has comoins it the preperuse of a Theodelite with the common Level. I consider these instruments admirably calculated for laying
our Railroads, and can recomment them to the notice of Engineers as preferable to any others for that purpose.

HENRY R. CAMPBELL, Eng. Philad.,
ml ly Germant and Norist Railroad

RAILROAD NOTICE.

33 The subscriber having been appointed by the General Assembly of this State, at their session in New-Haven, in May last, to call the first meeting of the "Boston, Norwich and New-London Railroad Company," hereby gives notice that the first meeting of said Corporation will be holden at Clark's Hotel, in the city of Norwich, on Wednesday the 28th day of May next, at 2 o'clock in the alternoon.

Norwich, Conn. April 22, 1883.

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NOVELTY WORKS,

NOVELTY WORKS,

Near Dry Dock, New-York.

Thomas B. Stillman, Manufacturer of Steam Engines, Boilers, Railroad and Mill Work, Lathes, Pressea, and other Machinery. Also, Dr. Notus Patent Tubular Boilers, which are warranted, for safety and economy, to be superior to any thing of the kind heretofore used. The fullest assurance is given that work shall be done well, and on reasonable terms. A share of public patronage is respectfully elicited.

Townsend & Durfee, of Palmyra, Manufacturers of Railroad Rope, having removed their establishment to Hudson, under the rame of Durfee & May, offer to supply Rope of any required length (without splice) for inclined planes of Railroads at the shortest notice, and deliver them in any of the principal cities in the United States. As to the quality of Rope, the public are referred to J. B. Jervis, Eng. M. & H. R. R. Co., Albany: or James Archibald, Engineer Hudson and Delaware Can al and Railroad Company, Carboulale, Luzerne county, Pennsylvania.

Hudson, Columbia county, New-York, January 29, 1833.

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INSTRUMENTS.

INSTRUMENTS.

SURVEYING AND NAUTICAL INSTRUMENT MANUFACTORY.

EWIN & HEARTTE, at the sign of the Quadrant, No. 35 South street, one door north of the Union Hotel, Battimore, beg leave to inform their friends and the public, especially Engineers, that they continue to manufacture to order and keep for sale every description of Instruments in the above branches, which they can furnish at the shortest notice, and on fair terms. Instruments repaired with care and promputude. For proof of the high estimation on which their Surveying Instruments are held, they respectfully beg leave to tender to the public perusal, the following certificates from gentlemen of distinguished scientific attainments.

To Ewin & Heattte.—Agreeably to your request made some months since. I now offer you my opinion of the Instruments made at your establishment, for the Battinore and Olio Railroad Company. This opinion would have been given at a much earlier period, but was intentionally delayed, in order to afford a longer time for the trial of the Instruments, so that I could speak with the greater confidence of their merits, if such they should be found to possess.

It is with much pleasure I can now state that notwithstanding the Instruments in the service procured from our northern cities are considered good, I nave a decided preference for those manufactured by you. Of the whole number manufactured for the Department of construction, to wit: five Levels, and five of the Compasses; not one has required any repairs within the last twelve months, except from the occasional imperfection of a screw, or from accidents, to which all instruments are hable.

They possess a firmness and sability, and at the same time a neanness and beauty of execution, which reflect much credit on the artists enzaged in their construction.

I can with confidence recommend them as being worthy the notice of Companies engaged in Internal improvements, who may require Instruments of superior workatenship.

JAMES P. STA BLER,

Superintendent of Construction of the B

Rairoad.

I have examined with care several Engineers' instruments of your Manufacture, particularly Spirit levels, and surveyor's Compasses; and take pleasure in expressing my opinion of the excellence of the workmanship. The parts of the levels appeared well projectioned to secure facility in use, and accuracy and permanency in adjustments.

These instruments seemed to ne to possess at the modern improvement of construction, of which so many have been made within these few years; and I have no doubt but they will give every satisfaction when used in the field.

WILLIAM HOWARD, U.S. Civil Engineer.

WILLAM HOWARD. U. S. Civil Engineer.

Baltimote, May 1st, 1833

To Mesers Ewin and Heartte—As you have asked me to give my opinion of the merits of those instruments of your manuacture which I have either used or examined, I cheef bully state that as far as my opportunities of my becoming aqueinted with their qualities have gene. I have great reason to think well of the ekili displayed in their construction. The neutness of their work manship has been the subject of frequent remark by myself and of the accuracy of their performance, I have received sard who have had them for a considerable time in use. The efforts you have made since your establishment in this city, to relieve us of the uccessivy of sending elsewhere for what we may want in our line, deserve the unqualified approbation and our warm encouragement. Wishing you all the success which your enterprize so well merits. I remain, yours, &c.

Civil Engineer in the service of the Baltimore and Ohlo Railroad Company.

A number of other letters are the our possession and might be submit them upon application, to any perrons desirons of permangeness.